2015-2016
Undergraduate Catalog

University of Central Florida
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Orlando, FL 32816
http://www.ucf.edu
407-823-2000

UCF Health Sciences Campus
at Lake Nona
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Orlando, FL 32827
http://med.ucf.edu
407-266-1000

UCF Rosen College of Hospitality Management
9907 Universal Boulevard
Orlando, FL 32819
http://hospitality.ucf.edu
407-903-8000

UCF REGIONAL CAMPUSES
http://regionalcampuses.ucf.edu

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850 S. State Road 434, Suite A426
Altamonte Springs, FL 32714
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UCF Cocoa
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Cocoa, FL 32922
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UCF Daytona Beach
(In partnership with Daytona State College)
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Daytona Beach, FL 32114
386-506-4021

UCF Leesburg
(In partnership with Lake-Sumter State College)
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Leesburg, FL 34788
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UCF Leesburg
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Leesburg, FL 34788
352-536-2113

UCF Sanford/Lake Mary
(In partnership with Seminole State College)
100 Weldon Boulevard
Partnership Center
Sanford, FL 32773
407-708-2471

UCF South Lake
(In partnership with Lake-Sumter State College)
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Clermont, FL 34711
352-536-2113

UCF Valencia Osceola
(In partnership with Valencia College)
1800 Denn John Lane
Building 4, Room 234
Kissimmee, FL 34744
321-682-4190

UCF Valencia West
(In partnership with Valencia College)
1600 South Kirkman Road
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Orlando, FL 32811
407-582-5500

UCF Valencia East
(In partnership with Valencia College)
701 North Econlockhatchee Trail
Building 5, Room 221
Orlando, FL 32825
407-582-2318

Undergraduate Admissions
University of Central Florida
PO Box 160111
Orlando, FL, 32816-0111
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407-823-3000

Office of Student Financial Assistance
University of Central Florida
4000 Central Florida Boulevard
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407-823-2827

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407-823-3100

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The UCF Creed

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

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

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

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

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

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

---

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

UCF Stands For Opportunity
Mission Statement

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

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

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

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

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

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

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

Cordially yours,

John C. Hitt
President
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<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
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<td>July 3</td>
<td>May 22</td>
</tr>
<tr>
<td>Payment Deadline</td>
<td>May 29</td>
<td>July 10</td>
<td>May 29</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>May 29</td>
<td>July 10</td>
<td>May 29</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>June 11</td>
<td>July 23</td>
<td>July 6</td>
</tr>
<tr>
<td>Withdrawal Deadline (ends at 11:59 p.m.)</td>
<td>June 11</td>
<td>July 23</td>
<td>July 6</td>
</tr>
<tr>
<td>Last Day to Reinstate Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>June 19</td>
<td>July 23</td>
<td>June 19</td>
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<tr>
<td>VA Deferral Payment Deadline</td>
<td>July 24</td>
<td>July 24</td>
<td>July 24</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete</td>
<td>June 26</td>
<td>August 7</td>
<td>August 7</td>
</tr>
<tr>
<td>Final Examination Period</td>
<td>Given during the last class meeting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-campus Housing closes</td>
<td>June 27</td>
<td>August 8</td>
<td>August 8</td>
</tr>
<tr>
<td>Grades Due in myUCF (noon)</td>
<td>July 1</td>
<td>August 12</td>
<td>August 12</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>July 2</td>
<td>August 13</td>
<td>August 13</td>
</tr>
<tr>
<td>Commencement</td>
<td>August 8</td>
<td>August 8</td>
<td>August 8</td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

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**University Holidays and Special Events**

- Memorial Day Holiday: May 25, 2015
- Independence Day Holiday (observed): July 3, 2015
## 2015 - 2016 FALL/SPRING ACADEMIC CALENDAR

<table>
<thead>
<tr>
<th>Event (Fall 2015)</th>
<th>Date</th>
<th>Event (Spring 2016)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Deadline for Undergraduate International students</td>
<td>March 1</td>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Application Deadline for New Undergraduate Freshmen Applicants</td>
<td>May 1</td>
<td>Registration</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Application Deadline for Readmission</td>
<td>July 1</td>
<td>Registration</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Graduation Application (Online Intent to Graduate Form on myUCF)</td>
<td>June 22</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Registration time for State Employees, UCF Employees, Non-Degree, Transients and Audits (begins 3:00 p.m.)</td>
<td>August 21</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Registration for Senior Citizen Audits (begins 3:30 p.m.)</td>
<td>August 21</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Late Registration 1,2 on myUCF (ends at 11:59 p.m. on last day)</td>
<td>August 24-28</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Drop/Swap Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 27</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Add Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>August 28</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Housing Payment Due</td>
<td>September 4</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Grade Forgiveness Deadline on myUCF (ends at 11:59 p.m.)</td>
<td>November 2</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Last Day to Reinstatement Drop for Nonpayment Classes (ends at 4:00 p.m.)</td>
<td>November 2</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Classes End; Last Day to Remove Incomplete 3</td>
<td>December 7</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Degree Conferral Date</td>
<td>December 18</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
<tr>
<td>Grades Available on myUCF (begins 9:00 a.m.)</td>
<td>December 23</td>
<td>Graduation Application</td>
<td>Mar. 16, 2015 - Jan. 10 and Oct. 26, 2015 - Jan. 10</td>
</tr>
</tbody>
</table>

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

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

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

1 $100 Late Registration Fee applies to students who have not enrolled by the close of Registration.
2 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
3 Incomplete grades must be removed within one year of the award date prior to graduation from the University, whichever comes first, else they will change to “F”.
4 Under Multiple Term Registration, undergraduates with a declared major and UCF GPA of 3.5 or higher will receive their appointment dates and times for Summer 2015, Fall 2015 and Spring 2016 beginning March 2, 2015. Registration for these students will begin on or after March 16, 2015. All other eligible students will receive their registration times beginning October 12, 2015, and Spring registration for these students will begin on or after October 26, 2015.
Undergraduate Academic Policy Statement

The University of Central Florida may change any of the announcements, information, policies, rules, regulations, or procedures set forth in the Undergraduate Advising Guide and the Undergraduate Catalog. The Undergraduate Catalog is published online once a year and cannot always reflect new and modified regulations. Statements in the Undergraduate Advising Guide and the Undergraduate Catalog may not be regarded in the nature of binding obligations on the institution or the State of Florida. While every effort will be made to accommodate the curricular needs of students, limited resources may prevent the University from offering all required courses in each semester or in day and evening sections.

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

Non-Discrimination Policy

(including sexual harassment)

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

Sexual harassment, a form of sex discrimination, is defined as unwelcome sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:

1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual; 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.

All forms of discrimination on the above bases, including sexual harassment, are strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University regulations. Penalties for engaging in discrimination may include expulsion or termination. Retaliation against a person who reports discrimination or who serves as a witness in a discrimination investigation is also prohibited and subject to the same penalties.

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

Drug-Free Workplace/Drug-Free Schools Policy Statement

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

Campus Alcoholic Beverages Policy

The sale, service, distribution, possession and consumption of alcoholic beverages 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, distribution, possession and consumption of alcoholic beverages on campus. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 and University of Central Florida Regulation “UCF-4.035 Alcoholic Beverages on Campus” for further information.

Guidelines

The sale, service, and distribution of alcoholic beverages to persons younger than 21 years of age is prohibited. Possession or 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 by special events.

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

Student organizations may develop more stringent regulations regarding alcohol use.

Locations

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

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

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

Approval Procedures: Student Groups

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

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

Approval Procedures: Non-Student Groups

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


Academic Behavior Standards

The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action, disciplinary action, and/or program action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Program action may affect the student’s status in a specific program of study. Academic Misconduct includes but is not limited to cheating, plagiarism, misuse of sources, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behavior standards on the undergraduate and graduate level are defined and described in the Code of Conduct in The Golden Rule Student Handbook.

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

Student Use of Technology
The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab.

All UCF students should expect to use a personal computer in many University activities, including coursework, accessing library information, registering for classes, emailing correspondence to instructors or fellow students, or taking online classes. In addition, many UCF courses require the use of the Internet.

The University of Central Florida has developed one of the nation’s most advanced campus technology environments, and all UCF students are provided free Knights Email accounts and Internet access.

Students wishing to acquire a personal computer are strongly advised to consider a laptop. Recommended configurations can be found at http://cstore.ucf.edu/page.cfm/recommendations.html.

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

Student Responsibility for University Communication
UCF uses email as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The University sends all business-related and academic messages to a student’s Knights Email 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 approach 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 Florida’s State University System, formerly was named Florida Technological University. The name was changed by action of the Florida Legislature on December 6, 1978. The University of Central Florida is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award degrees at the associate, baccalaureate, master’s, specialist, and doctoral levels. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Central Florida.

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

College/Discipline: Accrediting Body
Arts and Humanities
Music, Music Education: National Association of Schools of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, VA 20190-5248
Business Administration (all disciplines): The Association to Advance Collegiate Schools of Business (AACSB International), 777 South Harbour Island Blvd., Suite 750, Tampa, FL 33602-5730
Education and Human Performance (all programs leading to initial teacher certification): State Approval by the Florida Department of Education; Accreditation by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Ave., NW, Suite 500, Washington, DC 20036
Engineering and Computer Science
Computer Science: Accredited by the Computing Accreditation Commission of ABET, http://www.abet.org
Health and Public Affairs
Athletic Training: Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Boulevard, Suite 100, Austin, TX 78731-3184
Health Informatics and Information Management: Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM), 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-4300
Health Services Administration: Association of University Programs in Health Administration (AUPHA), 2000 14th Street North, Suite 780, Arlington, VA 22201
University Notices

<table>
<thead>
<tr>
<th>College of Medicine - Burnett School of Biomedical Sciences</th>
<th>Medical Laboratory Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Laboratory Sciences</td>
<td>National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119</td>
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<table>
<thead>
<tr>
<th>Nursing Sciences</th>
<th>Sciences</th>
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<tbody>
<tr>
<td>Florida Board of Nursing, 4042 Bald Cypress Way, Room 120, Tallahassee, FL 32399</td>
<td>American Chemical Society (ACS) Committee on Professional Training, 1155 Sixteenth Street, NW, Washington, DC 20036</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.
UNIVERSITY OF CENTRAL FLORIDA/CAMPUS

The University
407-823-2000
http://www.ucf.edu

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

Offering more than 200 degree programs, UCF is an academic and research leader in many fields, including optics and photonics, modeling and simulation, engineering and computer science, business administration, education, life sciences, hospitality management and digital media. The College of Medicine, which graduated its first M.D. students in spring 2013, is the centerpiece of a medical city at Lake Nona bustling with scientists searching for cures for cancer and other diseases.

More than 60,000 students attend classes on UCF’s main campus in east Orlando and 15 satellite facilities located throughout Central Florida. Since President John C. Hitt’s arrival in 1992, enrollment has nearly tripled, and UCF has greatly expanded access to higher education.

Outstanding Students: UCF continues to attract many of the nation’s best and brightest students. The fall freshman class for the 2014-15 academic year posted an average SAT score of 1257 and a high school GPA of 3.51. A total of 275 National Merit Scholars enrolled in fall 2014. UCF also continues to become more diverse each year, with four of every 10 students in fall 2014 classified as minority students.

Attractive Amenities: The 45,000-seat bright House Networks Stadium and the 10,000-seat CFE Arena opened in 2007 on the north end of Audubon Park. Anchored by CFE Arena, Knights Plaza also includes four student residence halls and various restaurants and retail shops that cater to students, visitors and area residents.

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

The Career Services and Experiential Learning building features 17 private interview rooms, including a boardroom-style suite where cameras record students’ practice interviews.

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

National University to Watch: For the past several years, U.S. News & World Report’s “America’s Best Colleges” guide has lauded UCF as a top university to watch. UCF has also been consistently ranked as one of the nation’s best values by The Princeton Review and Kiplinger magazine.

UCF was named one of the nation’s five “Next Generation Universities” by the New America Foundation. The 2013 report praised UCF for increasing access to students and achieving higher graduation rates in a cost-effective manner and also for emphasizing partnerships as a way to grow.

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

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

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

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

Online instruction modes are:
- WORLD WIDE WEB (W): These are courses conducted via web-based instruction and collaboration. Some courses may require mini-semester deadlines with in-person proctored exams.
- MIXED-MODE/REDUCED SEAT TIME (M): These courses include both required classroom attendance and online instruction. All M classes have substantial activity conducted over the web, which substitutes for some classroom meetings.
- VIDEO STREAMING (V): These are courses delivered over the web via streaming digital video, which may be supplemented by additional web activity, projects, or exams.
- VIDEO STREAMING/REDUCED SEAT TIME (RV): In these courses, classroom-based content is available over the Web via streaming video 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.

Students who plan to enroll in any course with a web or streaming video component must have access to the Internet, a Web browser such as Internet Explorer or Chrome, basic web-browsing knowledge, ability to access email, and basic computing and troubleshooting skills.

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

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 state colleges, fostering seamless and convenient advancement from completion of a two-year A.A. or A.S. degree to a four-year degree or graduate program.

UCF Regional Campuses provide a wide variety of instruction modes and programs, including extensive web-based availability and support for numerous fully online degree programs and academic minors. A.A. and A.S. degree programs and financial and academic advising services professionals are located at the following campuses: UCF Cocoa and Palm Bay; UCF Daytona Beach; UCF Sanford/Lake Mary; UCF South Lake and Leesburg; UCF Valencia West, and Osceola; and UCF Ocala. Regional Campus Distance Learners may take advantage of services through various communication technologies. 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 Eastern Florida State College, Lake-Sumter State College, Seminole State College, Daytona State College, and Valencia College. This agreement provides entry for A.A. and A.S. graduates to UCF as an enhancement to the Florida state-mandated 2 + 2 agreement. Students entering UCF as a DirectConnect to UCF student are admitted according to the UCF policies when A.A. or A.S. degrees are awarded. Regional Campuses DirectConnect Coordinators are available on each of the Higher Education Consortium partnership campuses.

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

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

Vice Provost, Regional Campuses............................................. J. Jeffrey Jones
Senior Administrative Assistant........................................... Kathi Harris
Associate Vice Provost, Regional Campuses Academic & Student Initiatives.... Pam Cavanagh
Director, Academic Support Services.................................... Jennifer Sumner
Director, Student Services & Advising.................................... Angélie Jones
Associate Director, Academic Initiatives.................................. Waheeda Illasarie
Associate Director, Academic Initiatives, West.......................... Mary Lynn Bresette
Assistant Director, Continuing Education................................. Kallie Reyes
Facilities Scheduler............................................................... Denise Devlin
Coordinator, Statistical Research........................................... Jeanne Walker
Associate Vice President, Enrollment Services, Marketing & Outreach.... Angélie Peterson
Director, RC Enrollment Services............................................ Deborah Bradford
Marketing Account Executive ................................................ Michelle Fuentes
Web Designer........................................................................... Tony Recascino
Assistant Web Support ............................................................. Miness Patel
Senior Art Specialist ............................................................... Mary Lou Wade
Director, Library Services..................................................... Cynthia Kimby
Assistant Vice President, Business Affairs and Operations............. Kimberley Cole
Executive Administrative Assistant........................................ Jeanette Holder
Director, Budget & Finance..................................................... Joe Schofield
Coordinator, Administrative Services..................................... Sonia Imre
IT Supervisor.......................................................................... Aaron Misiano
College/Division IT Project & Testing Manager ......................... Calston Llewellyn

Campuses
UCF Valencia West, UCF Valencia Osceola, UCF Valencia East

Assistant Vice Provost............................................................... Kimberly Hardy
Assistant Director, Osceola........................................................ James Smith, Jr.
Coordinator, Enrollment Services, West.................................... Richard Satterlee
Coordinator, Enrollment Services, Osceola................................ Jessica Matos
Senior Admissions Specialist, East........................................... Priscilla Alejandro
Associate Director, Student Services, West................................ Carol Black
Assistant Director, Advising Services, West................................. Lisa Cruz
Coordinator, Academic Advisor, Osceola.................................. Melissa Hanbery
Coordinator, Academic Advisor, Ocala.................................... TBA
DirectConnect Coordinator, West............................................. TBA
DirectConnect Coordinator, Osceola......................................... Kim Martinez
Director, Academic Advisor, East............................................. Christopher Quintero
Department IT Manager.......................................................... Jason Mayer
Administrative Assistant......................................................... Jacqueline Diaz

UCF Daytona

Assistant Vice President.......................................................... Linda Bradley-Thacker
Regional Associate Director..................................................... Darryl Greeley
Associate Director, Student Services........................................ Raphael Robinson
Coordinator, Enrollment Services............................................ Rosalyn Santana
Coordinator, Academic Advisor............................................. Tina Davis
Coordinator, Academic Advisor............................................. Virginia LaRue
Coordinator, Academic Advisor............................................. Angela Edwards-Johnson
Coordinator, Administrative Services..................................... Bonnie Marsh
Department IT Manager.......................................................... Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte

Associate Vice President......................................................... David Mealor
Regional Director..................................................................... Sean Armstrong
Assistant Director, Enrollment Services..................................... Pamela Williams
Coordinator, Student Services................................................ Ashely Squillante
Coordinator, Academic Advisor............................................. Georgia Kent
Coordinator, Academic Advisor............................................. Jackie West-Lee
DirectConnect Coordinator.................................................... Luisa Mejia
Department IT Manager.......................................................... Russell Muller
Administrative Assistant......................................................... Valerie Brackman

UCF Cocoa, UCF Palm Bay

Regional Director..................................................................... Lauren Miller
Assistant Director, Student Services........................................... TBA
Assistant Director, Palm Bay..................................................... Sonya Curtis
Assistant Director, Enrollment Services...................................... Nick Pantoni
Coordinator, Enrollment Services............................................. Jennifer Houts
Coordinator, Academic Advisor............................................. Angel Edgecombe
Coordinator, Academic Advisor, Palm Bay............................... Patricia Terrill
Coordinator, Academic Advisor............................................. Sheryl Schagen
DirectConnect Coordinator..................................................... Kim Poppert
Department IT Manager......................................................... Sue Sorenson
Administrative Assistant......................................................... Darlene Kraft

UCF South Lake, UCF Ocala, UCF Leesburg

Assistant Vice President........................................................... Cecelia Rivers
Regional Director..................................................................... Tanya Armstrong
Coordinator, Student Services................................................ Pamela Brady
Assistant Director, Enrollment Services...................................... Christy Pasmin
Coordinator, Enrollment Services............................................. Thomas Silarek
Coordinator, Academic Advisor............................................. Robin Tinsley
Coordinator, Academic Advisor............................................. Bethany Larson
DirectConnect Coordinator..................................................... Colleen Scott
Coordinator, Academic Support Services, Ocala........................ Mei Wong
Department IT Manager.......................................................... Crystal Flynn
Administrative Assistant......................................................... Lisa Dunn

UCF Cocoa
321-433-7821
(In partnership with Eastern Florida State College)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
- Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs
- Criminal Justice (B.A., B.S.) College of Health and Public Affairs
- Elementary Education (B.S.) College of Education and Human Performance
- Human Communication (B.A.) College of Sciences
- Integrated Business* (B.S.B.A.) College of Business Administration
- Interdisciplinary Studies (B.S., B.A.) College of Undergraduate Studies
- Nursing (B.S.N.) College of Nursing
- Psychology (B.S.) College of Sciences
- Social Sciences (B.S.) College of Sciences
- Sociology (B.A.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Legal Studies
- History (B.A.) College of Arts and Humanities
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Political Science (B.A.) College of Sciences

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

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

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

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Criminal Justice
- Criminal Justice (B.A., B.S.) College of Health and Public Affairs
- Human Communication (B.A.) College of Sciences
- Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
- Nursing (B.S.N.) College of Nursing
- Photography (B.S.) College of Arts and Humanities
- Psychology (B.S.) College of Sciences
- Social Sciences (B.S.) College of Sciences

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Legal Studies
- History (B.A.) College of Arts and Humanities
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Political Science (B.A.) College of Sciences
- Sociology (B.A.) College of Sciences

Undergraduate Minors
- Crime, Law, and Deviance
- Criminal Justice
- Psychology

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

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

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

- Elementary Education (B.S.) College of Education and Human Performance

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

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

UCF Ocala
352-854-2322, ext. 1824
(In partnership with Central Florida State College)

The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:

- Elementary Education (B.S.) College of Education and Human Performance (Cohort)

The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:

- Interdisciplinary Studies (B.A./B.S.) College of Undergraduate Studies

For online programs visit: http://programs.online.ucf.edu/.
University of Central Florida/Campuses

UCF Palm Bay
321-433-7838
(In partnership with Eastern Florida State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Human Communication (B.A.) College of Sciences
Psychology (B.S.) College of Sciences

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

Undergraduate Minors
Human Communication
Psychology

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

UCF Sanford/Lake Mary
407-708-2471
(In partnership with Seminole State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Applied Science (B.A.S.) College of Undergraduate Studies
Track: Legal Studies
Early Childhood Education (A.S. to B.S.) College of Education and Human Performance
Elementary Education (B.S.) College of Education and Human Performance
Human Communication (B.A.) College of Sciences
Integrated Business* (B.S.B.A.) College of Business Administration
Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies

Legal Studies (B.A., B.S.) College of Health and Public Affairs
Psychology (B.S.) College of Sciences
Social Sciences (B.S.) College of Sciences

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

Undergraduate Minors
Legal Studies
Psychology

Graduate Degree Programs
Clinical Psychology (M.A.) College of Sciences

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

UCF South Lake
352-536-2113
(In partnership with Lake-Sumter State College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
Elementary Education (B.S.) College of Education and Human Performance
Psychology (B.S.) College of Sciences

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

Undergraduate Minors
Psychology

For online programs visit: http://programs.online.ucf.edu/.
UCF Valencia Osceola
321-682-4190
(In partnership with Valencia College)
The following Undergraduate Degree Programs can be completed through combined face-to-face and online courses at this location:
- Applied Science (B.A.S.) College of Undergraduate Studies
  Track: Legal Studies
- Biomedical Sciences (B.S.) College of Medicine
- Elementary Education (B.S.) College of Education and Human Performance
- Integrated Business* (B.S.B.A.) College of Business Administration
- Interdisciplinary Studies (B.A., B.S.) College of Undergraduate Studies
- Legal Studies (B.A., B.S.) College of Health and Public Affairs
- Psychology (B.S.) College of Sciences

*Selected courses will require attendance at the UCF Orlando campus.
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
- Health Services Administration (B.S.) College of Health and Public Affairs
- Human Communication (B.A.) College of Sciences
- Public Administration (B.A.) College of Health and Public Affairs

Undergraduate Minors
- Legal Studies
- Psychology

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

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

*Selected courses will require attendance at the UCF Orlando campus.
The following Undergraduate Degree Programs offer occasional face-to-face courses at this location:
- Human Communication (B.A.) College of Sciences

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

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

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

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

Regional Campuses also offers a Bachelor of Applied Science, 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 1978. The Research Park is a cooperative effort between UCF, the Orange County Research and Development Authority, and the Orange County Board of County Commissioners, which appoints the members of the Authority. The governing body of the Research Park is the Orange County Research and Development Authority.

The objectives of the Central Florida Research Park are in keeping with the legislative act 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 that will foster the growth of industries in Florida.

The Central Florida Research Park consists of over 1,000 acres of land. Businesses desiring a “university relationship” can purchase or lease land in the Research Park on which to construct a facility or can lease space for office, office/lab, or light manufacturing activities.

Research Park tenants are involved with the University of Central Florida through sponsored research, using faculty as consultants, and using graduate and undergraduate students for intern programs and part-time employment. Research Park tenants can also contract with the University for use of the library, computer resources, and laboratory facilities. Cooperative projects range from technical research to developing business plans and employee training programs.

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

Phillips-Schencck Chair in American Private Enterprise: Created in 1986 as the focal point for a continual dialogue on major economic issues, comparative economic systems, and economic decision making in business. Chair: Lisa A. S. Gorton.

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

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

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

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

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

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

Richard T. Crotty Orange County Endowed Scholar Chair: Created in 2004 to attract a nationally or internationally prominent scholar in the field of hospitality management. Chair: Byron Clercx.

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

The Cobb Family Eminent Chair in Optical Sciences and Engineering: Created in 1998 to support teaching and research in the field of optics and photonics. Chair: Konstantin L. Vodopyanov.

A. Dieker.


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

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

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

Jalal Talabany Endowed Chair in Kurdish Political Studies: Created in 2007 to strengthen and support teaching and research in Kurdish Political Studies. Chair: TBA.

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

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

Hugh F. and Jeannette G. McKean Endowed Chair in Nursing: Created in 2011 to strengthen and support the preparation of nurse educators. Chair: Diane Wink.

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

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

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

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

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

College of Undergraduate Studies
Interim Vice Provost and Dean: Manoj Chopra
MH 218; 407-823-2373
http://www.undergrad.ucf.edu/

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

Academic Services
Interim Associate Dean and Director: Heath Martin
MH 210; 407-823-2691
http://www.academicservices.ucf.edu/

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

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

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

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

The UCF Police Department is a full-service law enforcement agency that prides itself on providing professional services to the university community through prevention, education and enforcement. Officers are fully sworn with all of the law enforcement powers and duties of other agencies. UCF Police officers provide services 24 hours a day, seven days a week to the university community. In 2013, the department received accreditation by the Commission for Florida Law Enforcement Accreditation, which means it meets the highest of law enforcement practices and standards.

The Communications Center (407-823-5555) provides a mechanism for persons to receive assistance in the event of an immediate threat, danger, injury, fire, or criminal occurrence by calling 9-1-1. UCF Police are part of the county-wide “Enhanced 9-1-1” system and automatically receive calls related to campus. The system ensures that the correct emergency responder - police, medical or fire - is directed to the right place in the shortest amount of time. Since telephone numbers appear on the police computer screen, callers who are for whatever
University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 50,000 journal subscriptions, 3.2 million microforms and 63,000 media titles. The Libraries’ electronic resources include 475 databases and 144,000 e-books.

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

- Over 370 computer workstations are available for public use on all five floors.
- Laptop PCs can be checked out for use anywhere in the library.
- 100 iPads are available for a one week checkout.
- Wireless technology enables patrons who have portable devices to connect to the Libraries’ electronic resources and to the Internet; wireless printing is also available.
- Twenty-eight group study rooms and one practice presentation room are available for students, and can be reserved in advance through http://library.ucf.edu/StudyRooms/.
- The John C. Hitt Library is a partial depository for United States and Florida government publications, U.S. Patents and Trademarks.

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

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

- For help and advice in the use of resources and materials, the Research and Information Desk http://library.ucf.edu/Reference/, located on the main floor, is open most library hours. Individual appointments can also be made for in-depth research consultations. These appointments provide student one-on-one time with a librarian http://library.ucf.edu/Reference/ResearchConsultations/Default.php.
- Ask A Librarian service answers questions submitted through chat, text, instant message, email or telephone at (407) 823-2562 or toll-free at (866) 271-7589 http://library.ucf.edu/ask/.
- The Libraries supports the development of information literacy skills through the provision of Information Literacy Modules, http://infokit.ucf.edu/. The modules provide just-in-time instruction for students on topics such as citing resources, evaluating websites, sites, and plagiarism.
- Librarians have also created subject-specific research guides to help students identify resources within their discipline. Students can also access instructional videos from the libraries’ YouTube channel: http://www.youtube.com/user/UCFLibraries.
- Citation Management Programs are also available for FREE from the UCF Libraries. Workshops are offered each semester on how to use EndNote and RefWorks http://library.ucf.edu/ScholarlyCommunication/CitationTools.php.
- Another key service for Graduate Students is Interlibrary Loan and Document Delivery. The UCF Libraries will pull books and scan articles that are owned by the library, as well as borrow materials from other libraries. For more information, call (407) 823-2383 or visit the ILL website http://library.ucf.edu/ILL.

In collaboration with the University’s Office of Student Accessibility Services, students may request assistance with retrieval of materials by contacting the Circulation Desk. The John C. Hitt Library has several reading aid devices, including a workstation equipped with ZoomText and refreshable Braille, as well as Sorenson Videophone. More information is available at http://library.ucf.edu/Services/DisabilityServices.asp.

Primary source material from Special Collections and the University Archives supports the research, teaching, and service activities of the UCF community. These special materials include books, manuscripts, historic public records, ephemera, photographs, art, and more.

- University 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 http://library.ucf.edu/Systems/DigitalInitiatives/DigitalCollections/.

Branch Libraries
The Curriculum Materials Center (CMC) is located in the College of Education and Human Performance Building. The CMC provides representative PK-12 curriculum materials for preview, review, analysis
and circulation, as well as 26 desktop PCs. Although the CMC primarily serves education students and faculty, it is open to all campus faculty, staff, and students. For more information see the CMC web page at http://library.ucf.edu/cmc or call (407) 823-2791.

The Universal Orlando Foundation Library is located at the Rosen College of Hospitality Management on Universal Boulevard. The library is open to the entire UCF community as well as to hospitality industry professionals. Its unique collection covers all facets of the hospitality and tourism industries. The library provides a wide array of services and resources, including desktop PCs, wireless devices for checkout, group study rooms, research assistance, library instruction, and interlibrary loan. For more information, see the CMC web page at http://library.ucf.edu/cmc or call (407) 823-2791.

Regional Campus Libraries

Regional Campus libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Ocala, Daytona Beach, South Lake, Sanford-Lake Mary, Leesburg, Osceola and West Orlando. The university partners with state colleges to provide complete information services. Two examples of websites customized for Regional Campus needs are:

- Services for Distance Learners
  http://library.ucf.edu/Services/DistanceServices.asp
- Regional Campus Libraries page
  http://library.ucf.edu/Regionals

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

Office of Instructional Resources

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

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

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

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

Although OIR installs and repairs classroom equipment, OIR does not schedule classroom spaces. To reserve a room, please contact Classroom Reservations in the Registrar’s office. Faculty should speak with their College Scheduler to reserve a classroom or to change the meeting space for a class.
The University of Central Florida, a member of the National Collegiate Athletic Association (NCAA), Division I, competes in 16 sports and is a member of the American Athletic Conference. UCF’s intercollegiate sports for men include baseball, basketball, golf, football, soccer and tennis. Women’s sports include basketball, cross-country, golf, rowing, soccer, softball, outdoor and indoor track and field, tennis and volleyball.

UCF’s athletics teams are successful on the field, in the classroom and in our community. Currently in their second season of membership in the American Athletic Conference, the Knights have won conference titles in football (2013, 2014), women’s soccer (2013, 2014), softball (2014) and volleyball (2014). In addition to winning back-to-back league titles, the UCF Football program received the conference’s automatic bid to a BCS Bowl game following the 2013 season and defeated Baylor in the Fiesta Bowl.

UCF Athletics’ 95 percent graduation success rate is a school record and ranks No. 1 among all public universities nationwide. It is the fifth-best mark of any school in NCAA Division I (FBS).

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

Graduation Rate Disclosure
The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Summer-Fall 2008 full-time cohort is 69.7 percent. The retention rate for Summer-Fall full-time 2013 students is 87.5 percent. The information is public and available for review on the Institutional Knowledge Management website.

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

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

Nestled on the north side of the CFE Arena, The Venue is a more intimate space showcasing special events and UCF Women’s Volleyball.

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

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

John T. Washington Center Location
The UCF Bookstore, a Barnes & Noble College division bookstore, located in the John T. Washington Center, is the textbook and course material destination. It also offers the largest variety of UCF clothing in the world, including logo gift items, snacks, beverages, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-823-2268.

Knights Plaza Location
The Barnes & Noble @ UCF, located next to the CFE Arena at Knights Plaza, is the official headquarters for all of your graduation supplies and more. It offers a complete line of UCF clothing, logo gift items, general reading books, snacks, beverages, convenience items and a full service café that proudly brews Starbucks coffee. For store hours and information, visit http://www.shopucf.com or call 407-882-0364.
United Cerebral Palsy and UCF), and the K-12 “Shakespeare Alive” and “Shakesperience” programs. Performances are presented in Margeson, Goldman, Mandell, and Santos-Dantin Theaters at the Lowndes Shakespeare Center in Loch Haven Park.

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

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

The University of Central Florida Alumni Association creates alumni awareness and provides resources for alumni to stay connected to the university and each other through many active chapters and clubs, fun activities and events, and enlightening communication pieces. Alumni receive several benefits, such as discounts for hotels, restaurants, insurance products and theme park tickets as well as UCF logo merchandise discounts at locations on and off campus. A complete list of benefits can be found at http://www.ucfalumni.com/benefits. 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 fun 4EK socials, Movie Knights, Homecoming, Family Weekend, networking with alumni, discounts on logo merchandise on and off campus, restaurant discounts, free scantrons, leadership, scholarship and service opportunities and much more.

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

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

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

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

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

Director: TBA
MH 107; 407-882-2300, Fax: 407-882-0240
http://www.international.ucf.edu/OIS

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

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

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

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience that is consistent and furthers UCF curriculum. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

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

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Griffith University, Australia; MODUL University in Austria; Universidade Federal do Rio de Janeiro, Brazil; Hong Kong Polytechnic and Tongi University, China; Université d’Angers, ICN School of Business and Paris VI in France; Meik University of Japan; Tilburg University, The Netherlands; Jonkoping and Maldarden universities in Sweden; and University of the West of England and University of Surrey in the United Kingdom.

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

Experiential Learning (College of), Undergraduate Studies (OEL)
Interim Director: Ulla Isaac
CSEL 300; 407-823-2667
Email: OEL@ucf.edu
http://www.explearning.ucf.edu

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

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

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

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

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

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

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

National Consortium for Academics and Sports (NCAS)
Director, Special Programs and Events: Suzi Katz-Nowinski
BAZ 113: 407-823-3555
http://www.ncasports.org

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

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

Core Values:

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

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

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

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

**The Power of Sport**
The global impact that sport has on society reminds us that teamwork and unity transcend the fields of competition, and has the irrefutable power to positively change people’s lives. We apply the lessons of “the huddle” to illustrate how divergent interests and beliefs can unite under a shared vision and common goal. We believe sport has an immense impact on societies across the globe. Sport has been known to galvanize communities large and small. By harnessing this power and public influence, the NCAS continues to promote social change domestically and around the world. Changing lives through the power of sport.

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

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

**Off-Campus College Credit Programs**
University Towers, 12201 Research Parkway, Suite 101, Orlando, FL 32826; 407-823-3654, Fax: 407-823-1399

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

**Institutes and Centers for Research**

**Dick Pope, Sr. Institute for Tourism Studies**
**Director:** Abraham Pizam
9907 Universal Blvd., Suite 231-A, Orlando, FL 32819; 407-903-8010

**Associate Director:** Robertico Croes
9907 Universal Blvd., Suite 231-D, Orlando, FL 32819; 407-903-8028
Email: DPI@mail.ucf.edu http://hospitality.ucf.edu/research/dick-pope-sr-institute-for-tourism-studies/

The purpose of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product while increasing the benefits of tourism for the industry, state of Florida, and local communities. The Institute involves itself in a variety of research projects and educational programs. Research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry in the areas of: marketing, consumer behavior and visitor satisfaction, feasibility studies, economics, motivation, and forecasting. Some of the Institute’s patrons include tourism promotion agencies at the state and local levels; tourism development commissions; professional associations; and private enterprises such as attractions, hotels, resorts, restaurants and other food-service establishments, ground and air transportation companies, travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to 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:** Robert Porter
**Associate Director of Degree Programs:** Robin Hofler 407-235-3913; Email: edc@bus.ucf.edu
**Associate Director, Executive & Professional Development Programs:** Jana Breburdova 407-235-3915; Email: executiveeducation@bus.ucf.edu

The University of Central Florida College of Business Administration is proud to serve as a partner in executive education to the local, state, national, and international business communities. The Executive Development Center was established to provide quality executive education programs to both individuals and organizations.

The Center helps professionals from all industries become more dynamic leaders, more effective managers, and more valuable team members. Corporations benefit from participating in executive education programs by developing more productive and resourceful workforces that can meet the challenges of today’s changing marketplace and tomorrow’s opportunities.

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

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

UNIVERSITY OF CENTRAL FLORIDA
Special Academic Programs and Research Institutes

**Florida-Canada Linkage Institute**
**Director:** Mark Hartman  
407-823-3647; Fax: 407-823-2526  
Email: fcli@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 International Services Center, promotes international collaboration through expanded public/private dialogues on cooperative research and technical assistance, cultural exchanges, the enhancement of language training, and student/faculty exchange programs. The institute administers the Out of State Tuition Fee Exemptions Program that is available for Canadian students to study in Florida state universities and Florida College System institutions 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:** Mark Hartman  
407-823-3647, Fax: 407-823-2526  
Email: eeli@ucf.edu

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

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

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

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

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Located on the Cocoa campus of UCF at Eastern Florida State 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, biomass to fuels, electric vehicles, smart-grid research and the testing and certification of solar equipment. The Center conducts continuing education workshops for professionals, government and industry leaders around the world. Additionally, FSEC offers Science, Technology, Engineering and Mathematics (STEM)-focused opportunities to K-12 and college level-students, professional development for teachers, and renewable energy curriculum and activities to schools throughout Florida.

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

The Florida Space Institute provides unique, practice-based educational opportunities, combined with space science research and the resources to design, build, and test small satellites, instruments, and payloads. Using these resources FSI supports UCF and other member schools, as well as other educational and commercial customers. FSI provides opportunities for student involvement in real-world space programs. FSI is a State of Florida Institute headquartered at UCF, but has 10 member schools statewide. FSI is located at Research Park, Orlando, which is adjacent to the UCF main campus. Typical research areas include small satellite innovations, planetary science, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

FSI hosts one of the nine US research teams of NASA’s Solar System Exploration Research Virtual Institute (SSERVI), called the Center of Lunar and Asteroidal Surface Science (CLASS). The teams participating in the Solar System Exploration Research Virtual Institute (SSERVI) will address scientific questions about the moon, near-Earth asteroids, the Martian moons Phobos and Deimos, and their near space environments, in cooperation with international partners. FSI’s faculty are also leading a NASA mission called Global Observations of the Limb and Disk (GOLD). GOLD will fly an ultraviolet (UV) imaging spectograph on a geostationary satellite to measure densities and temperatures in Earth’s thermosphere and ionosphere.
The Institute for Simulation and Training (IST) was established to conduct research and development that advances the state of the art in affordable and effective human-centered simulation capabilities and training systems. In April 1985 a State of Florida resolution recognized the institute as part of a Center of Excellence for Simulation and Training. Driven by a proven record of research achievement, IST has developed unique qualifications and is positioned to provide the enabling technologies and technical talent necessary to research new ways to model human activity, improve human-agent interaction, and educate the next generation of scientists and professionals.

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

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

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

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

The institute annually employs more than 100 graduate and undergraduate students in a variety of research and support positions. For many outstanding graduates, work experience at IST becomes a launching pad to a career in the simulation industry. A significant number of existing professionals, both in government and industry, enroll in modeling and simulation graduate and certificate programs to continue their advanced education and hone their research skills. The institute includes in its efforts development of research projects with potential commercial applications and adaptation of military technology to civilian markets. IST communicates the results of its research through seminars, conferences, publications, and workshops. In cooperation with UCF, the University of South Florida, and University of Florida, and with considerable participation from area industry and economic development organizations, IST promotes economic growth in the modeling and simulation industry throughout the Central Florida High Tech Corridor.
Undergraduate Admissions

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

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

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

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

Campus Visit Experience

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

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

Application for Admission

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

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

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

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

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

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

Due to state regulations, UCF is not permitted to provide online courses or instruction to students in some states. The list of states currently restricted is available at http://programs.online.ucf.edu/. While residing in one of these states, students may not be permitted to enroll in UCF online courses.

Reactivation

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

Limited Access Programs

Admission to the University does not guarantee admission to a limited access program. Some majors at the University limit the number of students who may enroll. Limited access status occurs when student demand exceeds available resources (e.g., faculty, instructional facilities, equipment) for specific courses or programs. Students should check the Admission Office for specific course information. If no official records are received by the Office of Undergraduate Admissions within one year of the term for which they first applied, they will be placed on administrative hold.

Orientation

All first-time undergraduate degree-seeking students are required to attend orientation prior to enrollment. Orientation information is mailed to all FTIC students offered admission who have submitted their enrollment deposit and to all transfer students offered admission to the University. Information regarding orientation may also be viewed on the website at http://fye.ucf.edu/.

Admission Categories

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

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment/Early Admit (includes early admission and dual enrollment on- or off-campus)
C. Transfer*
D. Second Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public institution)**
F. Non-Degree Seeking (not including students who have already earned a bachelor degree)**
G. Limited Non-Degree Seeking****
H. Special Non-Degree Seeking (includes students participating in specific non-degree seeking programs including ROTC, Study Abroad only, Marching Band only, and Rosen College exchange programs)

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

**Students applying as transient from a Florida public institution should apply through Florida Virtual Campus at http://www.flvc.org.

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

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

Freshman Applicants

Any FTIC student who meets Florida Board of Governors regulation for minimum admission requirements is encouraged to submit an application. Meeting these minimum requirements does not guarantee admission. An applicant’s total high school record (including grades, test scores, educational objective, quality of courses completed, counselor recommendations, essay, and personal achievements and honors) will be considered in the selection process. The University reaffirms its Equal Educational Opportunity (EEO) commitments and seeks to increase diversity among the student body.

High School Diploma

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

Entrance Examination Scores

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

High School Academic Units and Grade Point Average

All applicants must have earned a minimum number of high school academic units (year-long courses that are not remedial in nature) to be considered for admission. A grade point average (GPA) will be computed only on academic courses. Plus(+) and minus(-) will not be included in the high school GPA calculation. Grades in International Baccalaureate (IB), Advanced Placement (AP), Cambridge Advanced International Certificate of Education (AICE), or CLEP or IBO exams will be recorded as earned credits.

Application Eligibility

As stated in Florida Board of Governors Resolution 8.002, an SAT Reasoning Test or ACT Plus Writing is required of all State University System FTIC applicants. Students with a high school GPA of 2.5–2.99 on a 4.00 scale as calculated by the university must obtain the following minimum scores in all three sections of either the SAT Reasoning Test or ACT with Writing as outlined below:

- SAT Critical Reading >= 460 or ACT Reading >= 18
- SAT Mathematics >= 460 or ACT Mathematics >= 19
- SAT Writing >= 440 or ACT English/Writing >= 18

Academic Subjects

| Units Required | \n|----------------|---|
| English (three of which must have included substantial writing) | 4 |
| Mathematics (at or above the Algebra I level) | 4 |
| Natural Science (two of which must have included substantial laboratory requirements) | 3 |
| Social Science (included: history, civics, political science, economics, psychology, geography) | 3 |
| Foreign Language (both credits must be in the same language) | 2 |
| Additional academic electives from the above five subject areas and courses recommended by the Florida Assn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education | 2 |
| Total Units | 18 |

UNIVERSITY OF CENTRAL FLORIDA
Undergraduate Admissions

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

- Admission to the University is limited by space availability. The degree of competition for space depends on the number and qualifications of those who apply for admission. To increase the chance of admission, high school students should present credentials that are stronger than the minimum requirements for consideration as listed above. If the number of qualified applicants exceeds the number that the University is able to enroll, a waiting list will be established.
- A student applying for admission who does not meet established requirements may bring to the University other important attributes or special talents and may be admitted if, upon appeal and in the judgment of the Admissions and Standards Committee, the student can be expected to do successful academic work. The University will provide appropriate advising for each student admitted under this alternative.
- Students who have been enrolled in dual enrollment courses will be required to have a minimum “C” average (2.0 GPA) for all completed dual enrollment course work.
- A student must demonstrate competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in the foreign language or American Sign Language at an undergraduate institution to be offered admission.

Dual Enrollment/Early Admit Applicants

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

1. Early Admission is for students who have completed their junior year in high school and would like to enroll at the University as full-time students for the senior year of high school to complete their high school graduation requirements. Students must submit an application for admission by the published application deadline date. In addition, the following information is required:
   - official copy of high school transcript(s);
   - official copy of SAT Reasoning Test or ACT Plus Writing;
   - 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 class work. Students must submit an application for admission by the published application deadline date, as well as all items listed above. Additional documentation may be required.

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

Transfer Applicants

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

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

Transfer Applicants with Fewer Than 60 Credit Hours

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 Reasoning Test or ACT Plus Writing 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 College System institutions and Florida state universities will be governed by the Articulation Agreement between the state universities and Florida College System institutions of Florida, as approved by the State Department of Education. The agreement states: The associate in arts degree is the basic transfer degree of the Florida College System institutions. It is the primary basis for admission of transfer students from Florida College System institutions to upper division study in a state university. Every associate in arts graduate of a Florida College System institution shall be granted admission to an upper division program consistent with Section 1007.23, F.S. Admission to the student’s preferred public postsecondary institution or program is not guaranteed.

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

1. Admission to one of the twelve state universities, except to “limited access” programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;
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,
- Demonstrated proficiency at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution. This requirement applies to those students without the required demonstrated proficiency equivalent to the second high school level.

Meeting these minimum requirements does not guarantee admission.

Second Bachelor’s Degree Applicants

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

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

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

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

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

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

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

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

International Applicants
The University of Central Florida is authorized under federal law to enroll students on non-immigrant visas. All international candidates applying for admission to UCF must submit a University of Central Florida Undergraduate Admissions Application online at http://admissions.ucf.edu. Because of 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 application deadlines. The international application deadlines are as follows: Fall, March 1; Spring, September 1; and Summer, January 1.

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

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

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

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

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

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

These students must also complete and submit the required financial and immigration documents by the deadline. Applicants must also include a “Certification of Finances” form and supporting financial statements with the International Student Services website at http://www.wes.org. The University further requires the Vice President For Student Development and Enrollment Services website at http://www.studenthealth.ucf.edu/ to check or money order in U.S. currency). The online application is available on our website at http://www.admissions.ucf.edu.

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

The University reserves the right to refuse registration to any international student if the student 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 responsibilities of maintaining this insurance coverage. For questions, call UCF Student Health Services at 407-823-1261 or go to their website noted above.

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

University of Central Florida
Transfer Credit: All Applicants

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

Accredited Institutions

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

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

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

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

General Education Transfer Credits

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

Credits from Private and Out-of-State Institutions

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

Credits from Military Service School Courses

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

Baccalaureate Honors

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

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

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

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

**Student Rights and Responsibilities**

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

**Student Eligibility**

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

**Application Priority Date**

All students must apply as early as possible annually 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 no later than March 1st to meet the university’s application priority date. If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Direct Stafford Loan, and Federal Direct PLUS Loan;

Students should not wait to be admitted to UCF before applying for financial aid;

Federal Pell Grants and Federal Direct Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible;

Students should have a complete financial aid file at least 60 days prior to the beginning of the semester. Students who apply late for aid should be prepared to cover their own living expenses, out-of-pocket, well into the term;

A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the website for specific deadline dates for individual scholarships.

**Application Procedures**

- The FAFSA can be filed electronically at [http://www.fafsa.ed.gov](http://www.fafsa.ed.gov);
- Using the IRS Data Retrieval Tool in the online FAFSA application is the fastest, easiest, and most secure method of providing the required tax information. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for Verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax return transcripts to verify tax information. Per federal regulations, copies of income tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
- Messages on the Student Aid Report (SAR) should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report (SAR), and follow through within 5 – 10 business days. Delays can be costly as well as frustrating;
- Federal regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests will expedite completion of this process;
- Students selected for verification for the 2015-16 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of a semester;
- Late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid;
- Offered federal funds and other need-based financial aid are considered estimates until Verification is complete and all necessary corrections have been made.

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

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

Helpful Hints
■ Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet the university’s application priority date;
■ Use the IRS Data Retrieval Tool in the online FAFSA application. Applicants who use the unchanged data generated by the IRS Data Retrieval Tool will not be required to provide verification of tax information. Students who are selected for verification who did not use the IRS Data Retrieval Tool, or changed data after using the tool, will be required to submit IRS tax return transcripts to verify tax information. Per federal regulations, copies of tax returns (Form 1040, 1040EZ, etc.) are no longer acceptable. The only exceptions to this rule include those who file tax returns in Puerto Rico or foreign countries;
■ Students selected for verification for the 2015-16 aid year are advised to submit all requested documents by the May 30th verification priority deadline for timely processing. Students should have a completed financial aid file no later than 60 days prior to the beginning of the semester;
■ Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and UCF ID on all documents submitted. (Do not submit originals; documents will be shredded after scanning);
■ Activate your Knights Email account. Check it regularly to avoid missing important and critical information from the Office of Student Financial Assistance, change and the university;
■ Complete all items necessary to apply for both a Federal Pell Grant and a Federal Direct Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered;
■ Respond promptly to all information requests; late or incomplete submission of documents can result in delayed disbursements or possible loss of eligibility for aid;
■ If there are extenuating circumstances or problems at any time, you may visit the office during normal business hours to speak with a counselor;
■ Comprehensive financial aid information can be found on the website: http://finaid.ucf.edu.

School Costs
Estimated student budgets have been developed as a guide to help students anticipate their costs at UCF. Please refer to the website at http://finaid.ucf.edu/apply/app_costs.html for the estimated Cost of Attendance.

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

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

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.

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.

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. First time Federal Direct loan borrowers are subject to a maximum time period (measured in academic years) to receive Federal Direct Subsidized Loans. Students may not receive Federal Direct Subsidized Loans for more than 150% of the published length of their academic program. This time limit does not apply to Direct Unsubsidized Loans or Direct PLUS Loans. Visit our website for details.

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

Financial aid 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.

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 requirements for each program, which can be found on the Program Eligibility Charts on the website. When requirements are no longer met, awards will be adjusted as necessary and will update on myUCF. All awards are subject to change.

Deferrals of Tuition and Fees
Deferrals allow for the delay that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is generally two weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the websites for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change. In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. In order to have access to accept loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Drop/Swap in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they never attended.

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

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

Satisfactory Academic Progress (SAP)

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

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

- Undergraduate students must maintain a minimum cumulative G.P.A. of a 2.0.
- Complete a minimum of 70% of all credit hours attempted including accepted transfer hours. Compliance of this requirement is checked at the end of each term.
- Graduate within the number of hours allowed by the Satisfactory Academic Progress policy. Students are allowed a specific number of attempted hours, based on their classification. This includes transfer hours accepted toward the degree plus all UCF hours (see chart below).
- Students who do not meet the above standards will be placed on financial aid warning for the next term/semester. At the end of the following semester, students must either meet these standards or aid will be canceled for future terms until student either meets the standards or the student has an appeal approved placing them on financial aid probation with an academic plan on file demonstrating the requirements for the student to get back on track towards graduation.
- Repeated course/s, including the original attempt, will be counted towards the maximum time frame and hours completion ratio requirements.

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

Re-establishing Eligibility after Cancellation

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

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

To appeal, the student must:

- Complete the Satisfactory Academic Progress Appeal Form; (available at http://finaid.ucf.edu, under Forms).
- Include a detailed statement that explains the extenuating circumstances that prevented or resulted in the student not meeting the SAP standards.
- Attach documentation supporting specific circumstance(s) to the appeal form;
- Meet with an Academic Advisor and to complete an Academic Plan for Financial Aid;
- 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 email communication or the student may view the updated status on myUCF, under View Financial Aid Status.


Satisfactory Academic Progress Probation

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

Transfer Students

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

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

Independent Students

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

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the year;
- you are or will be enrolled in a master’s or doctorate degree program (beyond a bachelor’s degree) at the beginning of the 2015-16 school year;
- you now have or will have children who receive more than half their support from you;
you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30, 2016;

you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;

you are a Veteran of the U.S. Armed Forces. ("Veteran" includes students who have engaged in active duty (including basic training) in the U.S. Armed Forces, or are a National Guard or Reserves enlistee who was called to active duty for other than state or training purposes, or were a cadet or midshipman at one of the service academies, and were released under a condition other than dishonorable. You are not a veteran now but will be one by June 30, 2016.

at any time since you turned 13, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;

you are an emancipated minor as determined by a court in your state of legal residence;

you are in legal guardianship as determined by a court in your state of legal residence;

your high school or school district homeless liaison determined you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless;

you were determined, by the director of an emergency shelter or transitional living program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime on or after July 1, 2014; or,

you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless anytime one or after July 1, 2014.

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

UCF students attending a Florida public community/state college must complete the Transient Student Admission Application through Florida Virtual Campus at http://www.fvc.org.

UCF students attending any college or university other than a Florida public institution must submit the following documents to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:

1. Transient Notification Form for Financial Aid for Out of State and Private Institutions.
2. A copy of the Fee Invoice and Class Schedule from the transient (host) Institution.
3. A copy of the Transient Student Approval Form with required signatures from Academic Advisor, Academic Services (if required) and UCF Registrar’s Office.
4. A completed Consortium Agreement Form signed by the transient school’s Financial Aid Office.

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

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

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

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

Professional Judgment
The 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 contact the office to review their specific situation with a counselor. If a student presents extenuating circumstances, an appeal can be submitted to include support documentation for review. The appeal will be reviewed and a decision will be made through the Professional Judgment process.

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

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

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

The financial aid office cannot increase students cost of attendance as a result of being charged the excess hours surcharge. Excess hours surcharge is a state statute and should not be confused with the federal SAP standards. Students are encouraged to meet regularly with their academic advisors to map out a timely completion of their degree. For more information, please refer to http://registrar.ucf.edu/excess-hours.
STUDENT TUITION AND FEES

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

General Information
Student Account Services is here to serve the students who attend the University of Central Florida by maintaining accurate financial records and communicating with students concerning their accounts.

The Student Account Services office is responsible for:
- Tuition and Fee Assessment/Refunds
- Processing Payments
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees
Note: 2015-2016 tuition and fees had not been established at the time of this publication. Rates for the 2015-2016 academic year will be available in July 2015 at http://tuitionfees.ikm.ucf.edu/. Fees are subject to change without notice.

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

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

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

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

Student Financial Responsibility Statement
Registration at UCF requires students to acknowledge the following financial responsibility statement:

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

I accept responsibility for payment of my term tuition and fees by the published deadline. I understand that if I do not pay my tuition and fees or do not pay these fees by the deadline, I will be charged a $100 Late Payment Fee, my records will be placed on hold, my account will be referred to a collection agency, and I agree to reimburse the fees of any collection agency, which may be based on a percentage of the debt collected, and all costs and expenses, including reasonable attorneys’ fees incurred in such collection efforts.”

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

Note: The Fall 2015 Financial Responsibility Statement had not been established at the time of this publication.

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

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

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

E-Pay process:
- Sign in the myUCF portal as usual then click on the link for Student Self Service; this will open your Student Center page.
- Use the right scroll bar to scroll to the Finances section. You will find the My Account section.
- Click on the link for the Tuition Fee Invoice. Select the current term (i.e. Sum 2015, Fall 2015, or Spring 2016). The Fee Invoice will provide you your schedule, the charges, the Amount Due and deferrals.
- Annotate the Amount Due as you will need that amount once you are on the E-Pay system.
- Scroll down to the bottom of the page and click on the Due Charges/E-Pay link to make a payment.

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

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

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

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

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

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

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

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

Partial Refund (25%)

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

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

Exceptional Circumstances

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

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

Direct Deposit

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

Past Due Accounts

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

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

Late Fees

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

Late Registration Fees are charged to students who enroll following the close of the regular registration period for the term, who re-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 minimum.

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

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

Florida Residency for Tuition Purposes

At University of Central Florida, three offices are responsible for the review of residency for tuition purposes under Florida Statute 1009.21, F.S., State Board of Education, Rules 6A-10.044 & 6A-20.003, and Board of Governors Regulation 7.005. The offices of Undergraduate Admissions and Graduate Studies determine residency for all first-time-on-campus students; thereafter, the Registrar’s Office will review student requests for changes in residency for Undergraduate Students. The College of Graduate Studies will review student requests for changes in residency for graduate students. A first-time-on-campus student will be classified according to the information he or she 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 the regulations, the student must be a United States citizen, resident alien, paralee, Cuban national, Vietnamese refugee, or other refugee or asylee so designated by the United States Citizenship and Immigration Service.
Be a member of the Armed Forces on active duty stationed in Florida, or a spouse or dependent, or active drilling members of the Florida National Guard,

Or

Be a member of the full-time instructional or administrative staff of a state public school, Florida College System institution, or university in Florida, a spouse or dependent,

Or

Military Personnel (and spouse/dependent children) not stationed in Florida whose home of record or state of legal residence certificate is Florida,

Or

Be a dependent and have lived five years with an adult relative, who has established legal residence in Florida,

Or

Be a person who was enrolled as a Florida resident for tuition purposes at a Florida institution of higher education, but who abandoned Florida residency and then re-enrolled in Florida with 12 months of the abandonment,

Or

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

Or

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

Or

Be a graduate student of the Southern Regional Education Board’s Academic Common Market attending Florida’s state universities,

Or

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

Or

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

Or

Be a qualified beneficiary under the Florida Pre-paid Post-secondary Expense Program per s.240.851(7)(a).

Or

Be an active duty member of the Canadian military residing or stationed in this state under the North American Air Defense (NORAD) agreement, or a spouse or dependent,

And

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

Residency Reclassification

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

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

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

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

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

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

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

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

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

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

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

The Division of Student Development and Enrollment Services is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)
Director: Kimya Massey
WDSC I; 407-823-5896
Email: assa@ucf.edu
http://assa.sdes.ucf.edu

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

ASSA services include:
- Providing transition services that promote the academic success of student-athletes;
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study;
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion;
- Organizing study halls, academic mentoring, and tutorial services;
- Directing students to utilize the full spectrum of other university services;
- Preparing student-athletes in their career planning and development;
- Assisting learning-disabled student-athletes with assessments and accommodations; and,
- Providing student-athletes with computer access and services.

Activity and Service Fee Business Office (ASF)
Director: Richard Phillips
SU 215; 407-823-5548
Email: asf@ucf.edu
http://asf.sdes.ucf.edu

The Activity & Service Fee Business Office services the purchasing, accounting and personnel needs of Activity & Service Fee funded departments and agencies and provides a variety of services to UCF students. The Activity & Service Fee Business Office is also a support office for registered student organizations and UCF students that are allocated Activity & Service Fee funds by the Student Government Association. The office also administers an online financial training course for registered student organization officers and their faculty/staff advisors.

In addition, the office manages the Student Government Ticket Center which sells a variety of specially-priced tickets to local theme parks, movie theaters, and attractions. The office also oversees the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 24 computer stations available and provides limited free printing to currently enrolled students.
Career Services (CS)

Executive Director: Lynn Hansen
CSEL: 407-823-2361
Email: career@ucf.edu
http://career.sdes.ucf.edu

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career professionals. These comprehensive services are designed to help first year through graduate students with all phases of career development to include:

- Major and Career Choices
- Academic and Career Information
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, and Job Postings)
- Graduate School Information

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

Counseling and Psychological Services (CAPS)

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

Counseling and Psychological Services serves currently enrolled UCF students seeking assistance with developmental and mental-health related concerns by offering a wide variety of services and programs. CAPS is composed of professional staff including psychologists, mental health counselors, social workers, and counselors-in-training who provide a confidential atmosphere and a safe environment in which students can explore and resolve personal concerns and issues. CAPS also provides advanced training and supervision for graduate students in doctoral and masters counseling programs. CAPS is open Monday through Thursday 8 a.m. - 6 p.m. and Friday 8 a.m. - 5 p.m. during fall and spring semesters and Monday through Friday 8 a.m. - 5 p.m. during the breaks and summer semesters.

CAPS offers:

- Short-Term Individуal Therapy
- Group Therapy and Workshops
- Crisis Intervention and Walk-In Appointments
- Crisis afterhours hotline: 407-823-2811 Press #5
- Couples Therapy (both need to be UCF students)
- Outreach Presentations and Workshops
- Consultation to Faculty, Staff, Parents, and Students
- Referral Services to community and campus resources

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

Creative School for Children (CSC)

Director: Amy Hesse
CSC1; 407-823-2726
Email: css@ucf.edu
http://css.sdes.ucf.edu

The Creative School for Children is an Educational Research Center for Child Development that provides quality early learning experiences for children ages 6 weeks to 5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC) and is certified Florida Gold Seal. The learning environment in the Creative School classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences through the implementation of the Creative Curriculum, the Project Approach and Conscious Discipline in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned field trips and special family programs are part of the annual schedule.

Creative School offers the Florida State Voluntary Pre-K (VPK) program for age eligible four-year-old children and now offers an evening program for children ages 2-12 years old and Summer Camp for children 6-12 years old. Evening care runs concurrently with the UCF and Creative School academic calendar. Experiences in observation, volunteering, and training in the academic areas are available to university students and 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. Evening program hours are 5:35 p.m. to 9:15 p.m., Monday through Thursday during the fall and spring semesters.

First Year Advising and Exploration (FYAE)

Director: Stephen O'Connell
HPH 116; 407-823-3789
Email: fy@ucf.edu
http://fyae.sdes.ucf.edu/

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

To fulfill this mission, each student is assigned a specific academic advisor who connects with the student through various activities such as orientation, individual appointments, outreach programs, and email 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 Academic Village. FYAE advisors have been designated for first-year students in the EXCEL, COMPASS, Florida Gold Seal living learning community, STEP, Pegasus Success, SOAR, CAP and Out of State Student Mentoring (OSSM) living learning community programs. In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through First Year Advising and Exploration.

Major Exploration Program (MEP)

HPH 116; 407-823-3789
http://mep.sdes.ucf.edu

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

First Year Experience (FYE)

Director: Erin Butler
HPH 216; 407-823-5105
Email: fye@ucf.edu
http://fye.sdes.ucf.edu

The First Year Experience office combines orientation with extended first year transition programs including UCF’s official Welcome Week, Pegasus Palooza, LINK (Learning and Interacting with New Knights), Convocation, Common Reading Program, Out of State Student Mentoring Program (OSSM), and the Strategies for Success course (SLS 1501). FYE assists entering freshmen and transfer students with their transition to 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 session prior to registering for classes. Students register for the program by visiting the First Year Experience website at http://fye.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve in a variety of leadership roles with FYE including the Orientation Team (O-Team), OSSM peer mentors, Strategies for Success course peer mentors, Pegasus Palooza executive board members, and Student Orientation Coordinators. FYE also oversees the Pegasus Parent Program which aims to provide parents and family members of UCF students with important information about UCF and its resources. Family Weekend is a part of the Pegasus Parent Program and occurs every fall semester during a home football game weekend.
**Fraternity and Sorority Life (FSL)**  
**Director:** Clay Coleman  
4100 Greek Park Drive (Fraternity and Sorority Life Building); 407-823-2072  
[http://fsl.sdes.ucf.edu](http://fsl.sdes.ucf.edu)

The Fraternity and Sorority Life office is committed to providing excellence in active advising of fraternity and sorority leaders that will create lifelong bonds through the principles encompassed in fraternal values. This office fosters an inclusive environment and commitment to student growth, academic excellence, civic engagement, leadership development, relationships, and risk-reduction education. It encompasses small group living and more importantly, developmental programming for individuals, chapters, chapter alumni boards, house corporation officers, and collegiate governing boards (i.e., Panhellenic Council (PAN), Interfraternity Council (IFC), National Pan-Hellenic Council (NPHC), Diversified Greek Council (DGC), and the Greek Council).

Fraternity and Sorority Life can offer students a “home away from home,” a scholastic support system, networking opportunities, an organization for community service, transferable skills for management and leadership development, and a foundation for long-lasting friendships. You can follow what’s happening within the Greek community via our Facebook page or on Twitter. Currently, we have 47 fraternities and sororities on UF’s campus with more than 4,000 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

Students are encouraged to take a closer look at UF’s Greek community through participation in fraternity or sorority recruitment. It is important to be familiar with each council’s specific recruitment or new member intake process. For details, visit [http://fsl.sdes.ucf.edu](http://fsl.sdes.ucf.edu) and select “Councils.” We encourage you to familiarize yourself with all of the councils to better understand the diversity of the Greek community and what each council has to offer.

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

The Department of Housing and Residence Life offers housing on the Orlando campus and the Rosen College of Hospitality Management campus for regularly enrolled students paying tuition and fees for a minimum of nine credit hours. Living with UCF Housing is strongly encouraged, and options are available for all classes of students, from freshmen to graduate students.

Students may apply for housing immediately after being offered admission to the university. The online application process is available through myUCF. There is not enough on-campus housing for all students. Therefore all students desiring to live on-campus should apply as early as possible. Application periods include academic-year agreements (fall/spring) with a separate application for summer (fall/spring/summer). Many types of housing are available, ranging from suite-style shared-bedroom residence halls to luxury apartments with private bedrooms and bathrooms.

Many first-year students who apply for academic year agreements will receive assignments in shared-bedroom suite-style residence halls. Private bedrooms in apartments are guaranteed only in the Towers at Knights Plaza located on the Orlando main campus, NorthView, located adjacent to the main campus or the Rosen College of Hospitality Management Student Apartments, located at the Rosen Campus. More information on the different housing options, rates, floor plans, etc. is available online at [http://www.housing.ucf.edu](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](http://www.ucfdining.com).

**Inclusive Education Services (IES)**  
**Director:** TBA  
Location TBA; 407-823-4427  
Email: ies@ucf.edu  
[http://ies.sdes.ucf.edu](http://ies.sdes.ucf.edu/)

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

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

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

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

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

All UCF students may participate in the LEAD Scholars Academy through various experiential tracks including campus engagement, civic engagement, women’s leadership, multicultural leadership, undergraduate research, the virtual leadership academy, study abroad and the Clinton Global Initiative University program.

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

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

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

**Neighborhood Relations and Safety Education (NRSE)**  
**Assistant Vice President, Student Development and Enrollment Services:** A.J. Range  
Ferrell Commons, Building 7C. Suite152; 407-823-6505  

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

NRSE further serves UCF students, who live off campus, with directions and information regarding a variety of on-campus programs, events, activities, and services. This office fosters a supportive and
Division of Student Development And Enrollment Services

Office of Student Involvement (OSI)
Director: Michael Preston
SU 208; 407-823-6471
Email: osi@ucf.edu
http://osi.ucf.edu

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

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

Office of Student Rights and Responsibilities (OSRR)
Executive Director, Assistant Dean of Students: Dana Junten
Ferrell Commons, Building 7G, Suite 227; 407-823-4638
Email: osrr.sdes.ucf.edu; http://goldenerule.sdes.ucf.edu; http://cares.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving issues impeding student success, the Office of Student Rights and Responsibilities includes the Office of Integrity and Ethical Development (IED), the Office of Student Conduct (OSC), and Student Care Services (SCS). OSRR promotes a campus climate of integrity, civility and accountability by providing a wide array of resources, education, and crisis management services for the university community. We purposefully challenge students during their development as productive citizens of the UCF community, to consider ethical issues and the importance of making critical decisions. OSRR also publishes, the Golden Rule Student Handbook, which contains the Rules of Conduct and 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://goldenerule.sdes.ucf.edu. This office also supports the Golden Rule Review Committee, which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

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

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

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

The Office of Student Conduct 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 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 decisions, dean’s certification, and student eligibility checks. Copies of the Golden Rule Student Handbook may be obtained at the Office of Student Conduct, or can be viewed on the Internet at http://goldenerule.sdes.ucf.edu.

Students are encouraged to apply for the Student Conduct Board (SCB). The primary purpose of the SCB is to foster the personal, educational, and social development of students.

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

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

PRIME STEM Student Support Services Program
Director: Rebekah McCloud
HPH 208; 407-823-4165
http://prime.sdes.ucf.edu

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

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

The Recreation and Wellness Center 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 help UCF students develop leadership skills and leadership opportunities, while seeking to be inclusive and adapt to the needs of all UCF students.

RWC is comprised of six different programs: Athletic Training, Aquatics, Fitness, Intramural Sports, Outdoor Adventure and Sport Clubs. Seven outdoor facilities, one main building and the RWC @ Knights Plaza satellite facility make up the RWC. The RWC facilities and programs offers are open to students of any ability with a valid UCF ID. Memberships are available to non-students. The RWC is funded by the Student Government Association (SGA).

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

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

Social Justice and Advocacy (SJA)
Director: Edwanna Andrews
SU 207; 407-823-1027
Email: sja@ucf.edu
http://www.sja.sdes.ucf.edu

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

Sophomore and Second Year Center (SSYC)
Director: Robert Snow
HPH 215; 407-823-3375
Email: sophomore@ucf.edu
http://ssyc.sdes.ucf.edu

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

The SSYC office has primary responsibility for connecting undeclared (no major) and undecided sophomores and second-year freshmen students to various campus resources, academic advising for major and career exploration, academic support services, and transition assistance to the appropriate college advising office or department. SSYC also provides advising support to accelerated FTIC’s (First Time In College students) entering UCF with 30 or more college credits earned from AP, IB, CLEP, Cambridge AICE, and/or dual enrollment courses; and sophomores and second-year freshmen who are changing their majors or need assistance in transitioning to the appropriate college advising support office. SSYC collaborates with the college advising support units, and other campus student support offices, in providing information resources and academic advising services through conducting various student outreach program sessions during the summer, fall, and spring semesters.

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

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction (SI), peer tutoring, learning skills consultations, and academic success workshops.

The SI program focuses on providing assistance to students enrolled in historically difficult courses such as human anatomy, biology, chemistry, microbiology, engineering, computer science, and physics. By attending these peer-led study sessions, students have an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter.

Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, engineering, statistics, and biology, to name a few. In total, SARC provides group tutoring for more than 30 different courses.

Learning skills specialists are also available for students who need college-level study skills advice or those who wish to enhance their educational experience.

Each semester, SARC offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, goal setting, and classroom etiquette. SARC also offers study skills assessments and online resources to help students become successful at the college level.

University Testing Center (UTC)
HPH 106; 407-823-5109
Email: utc@ucf.edu
http://utc.sdes.ucf.edu

The University Testing Center provides academic and professional testing services for UCF students and the community. UTC is an institutional, state, and national standardized test center. Institutional and state tests include Accuplacer; Critical Thinking Test; Distance Learning/Correspondence Exams; Florida Teacher Certification Examinations (FTCE); Foreign Language Proficiency Exam (FLPE); Grammar Proficiency Exam (GPE); UCF Math Placement Test; R/N Predictor, and Test of Essential Academic Skills (TEAS).
Student Accessibility Services (SAS)

Director: Adam Meyer
FC 185; 407-823-2571
Email: sas@ucf.edu
http://sas.sdes.ucf.edu

The Office of Student Accessibility Services facilitates campus access and reasonable accommodations for students with disabilities. Such accommodations may include, but are not limited to, classroom accommodations (including examination accommodations), alternative format text materials, captioning/interpreters, and information and referral to campus and community services.

Reasonable accommodations are available to, but not limited to, students with ADHD, hearing and visual impairments, physical disability and/or health-related impairment, psychological and/or psychiatric disability, specific learning disability (such as dyslexia), speech impairment, or other disabilities.

After admission to the university, students who want to explore reasonable academic accommodations should connect with Student Accessibility Services. Students can meet with a consultant in-person, by phone or via Skype. Students should not worry about having the “right” documentation at the time of the meeting. Any documentation needs can be discussed during the initial conversation.

The most up-to-date initial contact procedures can be found at http://www.sas.ucf.edu. Students are encouraged to come to SAS and explore the possibilities and options without feeling a need to commit to utilizing any resources. The student determines how to proceed based on the information presented and personal preferences. All information is confidential and will be used only to coordinate accommodations with appropriate UCF personnel.

Student Financial Assistance (SFA)

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

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

Student Government Association (SGA)

Advisors: Michael Preston and Matthew Betz
SU 214; 407-823-2191
http://www.ucfsga.com

The Student Government Association’s purpose is to represent student views on issues affecting UCF and to promote progressive changes that improve campus life. In advocating better communication and understanding among the UCF family, the Student Government Association also provides numerous services that affect student life. These services include, free printing in the SGA Computer and Express Printing labs, discount tickets to movie theaters and theme parks, legal services, recreational opportunities through the Recreation and Wellness Center and Sport Clubs Council, programming through the Campus Activities Board, Homecoming, Volunteer UCF, Late Knights, Multicultural Student Center, Knight-Thon, Knights of the Round Table, 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, registered student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels.

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, overseen by the Student President, vice president, and cabinet, oversees the daily administrative operation of SGA. The Legislative branch funds registered student organizations and also passes bills and resolutions benefiting the student body. The Judicial branch oversees and takes part in hearings concerning constitutional, legislative, and student rights issues.

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

Student Health Services (SHS)

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

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

UCF Student Health Services provides care at four convenient locations: the main campus Health Center; Knights Plaza at the north end of campus; the College of Medicine; Rosen College of Hospitality Management. SHS is staffed by board-certified physicians, advance 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.

SHS insurance office staff will assist students with filing insurance claims. As of March 2015, UCF SHS physicians are contracted in-network providers with BlueCross BlueShield PPO and Blue Options, United Healthcare, Aetna, AvMed, and Cigna health insurance plans. This entities patients to use SHS providers for their primary care needs and realize cost savings through covered services. We will bill any insurance company directly so you do not have to worry about the paperwork.

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

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

Student Outreach Services (SOS)
Director: Rhonda C. Hall
Orlando Tech Center, 12479 Research Parkway, Bldg. 600, Suite 215, Orlando 32826; 407-823-5580
http://www.reachout.ucf.edu

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

Student Union (SU)
Director: Rick Falco
SU 312; 407-823-3677
http://www.ucfsu.com

The Student Union is the “Heart of Campus” and provides the campus community with a variety of meeting rooms, offices, programs and services. The union is home to a great variety of restaurants including Joffrey’s Coffee, Greens Salad Bar, Balagan Kosher Café, Smoothie King, Subway, Dominos, Pita Spot, Wackadoo’s Grub and Brew, Qdoba, Nathan’s Famous, Asian Chao, Huey Magoo’s, Corner Café and Topper’s Creamery. Retail stores include Knightsstop Convenience Store, Wireless Expressions and College Optical. Other services located in the union include the SGA Ticket Office, SGA Computer and Express Labs, ATMs from SunTrust, Bank of America, Chase Bank, and the UCF Federal Credit Union as well as a self-service postal kiosk. The Student Union also operates the Knights Helping Knights Food Pantry, All Knight Study at Ferrell Commons and the All Knight Study Lounge located at the UCF Arena. All Knight Study is generally open 24 hours, 7 days a week (excluding holidays and semester breaks), and the union is open until midnight on Saturday and 2 a.m. on Sunday and weekdays (excluding holidays and semester breaks). For information, call the Information Desk at 407-823-0001. The Student Union is funded by the Student Government Association.

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

Transfer and Transition Services helps transfer students make a seamless transition for a more successful experience at 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 colleges:
  - Eastern Florida State College
  - Lake-Sumter State College
  - Seminole State College
  - Valencia College
- Academic exploration and advising for transfer students who are undeclared majors, undecided, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective July 1, 2014, the C.W. Bill Young Veteran Tuition Waiver Program is available to any honorably discharged veteran of the U.S. Armed Forces, U.S. Reserve Forces, or the National Guard who is not considered a Florida resident for tuition purposes but who resides in Florida while attending UCF. Please go to http://varc.sdes.ucf.edu/benefits for more information and application requirements.

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

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

Director: TBA
HPH 221; 407-823-5959, Fax: 407-823-3955
Email: tservices@mail.ucf.edu
http://transfer.sdes.ucf.edu

Transfer and Transition Services helps students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. or articulated A.S. from a DirectConnect partner school are guaranteed admission (upon meeting admission criteria). Partner institutions include Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College. Florida College System institution and university A.A. graduates are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring with an A.S. in one of the statewide articulated degree programs should refer to the “Articulated A.S. Programs” chapter of this Undergraduate Catalog. Any questions about these programs should be directed to the Director of Transfer and Transition Services.

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

Transfer and Transition Services provides the following services and resources:

- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
- General academic advising for transfer students before and after they enroll at UCF
- Pre-admission academic advising for students applying to UCF; DirectConnect advising available at Valencia College East Campus
- Advising for students who are undeclared, undecided, or changing majors
- Peer Mentors provide advising and transition assistance by telephone, email, and office appointments
- Student information and advising HOTLINE 407-823-5959
- Website for transfer students (http://transfer.sdes.ucf.edu)
- Transfer Knights social club; Tau Sigma Transfer Honor Society
- Orientation advising and assistance
- Written articulation agreements between UCF and other universities and colleges

How Can a Florida College System Institution Counselor or Advisor Help Me?
It is important that you are kept informed of all requirements for transferring to UCF. Florida College System institution counselors and advisors are provided with information and resources about the requirements to 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 Eastern Florida State College, Lake-Sumter State College, Seminole State College, and Valencia College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours.

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?
Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:

- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- 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.
Priority admission is given to A.A. and articulated A.S. graduates from the Florida public community and state colleges and state universities. If you do not complete an A.A. at a Florida College System institution or university, you must complete UCF’s general education requirements, which may be considerably different from your previous institution's requirements. If you have met all the A.A. requirements, you should have “General Education 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 Are the Foreign Language Requirements?
Admission Requirement: To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or 8-10 credit hours in the same language at the college level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy it prior to graduation.

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

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

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

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

Transfer Checklist

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<th>Requirement</th>
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<td>Immunization</td>
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<td><em>/<strong>/</strong></em> date Student Health Form submitted</td>
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<td>_ N need immunizations</td>
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<tr>
<td>Foreign Language Requirements (Admission)</td>
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<td>_ N 2 years/units earned in high school</td>
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<td>_ N Elementary level 2 earned in college</td>
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<td>_ N credits to be taken at the university</td>
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<tr>
<td>Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it may not satisfy graduation requirements of the specific major.</td>
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<tr>
<td>Program (Major) Requirements</td>
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<td>_ N completed major prerequisites</td>
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<td>Orientation:</td>
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Transfer and Transition Services

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

When Do I Pay My Bill?

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

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

Can Transfer Students Participate in The Burnett Honors College?

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

Transfer Tips:

Office Visits for Transfer Advising

- Students are encouraged to contact Transfer and Transition Services or their DirectConnect advisor with questions or to schedule an appointment to meet with an advisor. Advisors are available Monday through Friday, 8:00 a.m. to 5:00 p.m.
- Transfer students must declare a major; students undecided about their major should contact Transfer and Transition Services for advisement.
- Undeclared students with 45+ credit hours are placed on advising hold.

Students should:

- Submit your application as soon as you have earned 45 credit hours, at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” If you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “Immunization Form.” Registration is not allowed without the completion and approval of this form.
- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.
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 student’s particular needs. Please know that although you have been assigned to an advisor in one of the offices, you are not limited to seeking help there. Academic advising is one of the most important services provided at UCF and can impact a student’s successful progression to graduation.

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, COMPASS, LEARN Living Learning Community, STEP, the College Achievement Program (CAP), Pegasus Success Program, SOAR program and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (HPH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   c. Sophomore and Second Year Center (SSYCC) - for freshman students entering UCF with 30 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (HPH 215)
   These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year experience. For more information about the first year advising offices and their services, please see the “Student Development and Enrollment Services” chapter of this Undergraduate Catalog.
3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.

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

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

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

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

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

Graduating students will:
1. File the online intent to graduate form by the posted deadline for the semester in which they intend to graduate. Please note that the deadline for filing is always the semester prior to the semester in which you intend to graduate.
2. 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 Email account and degree audit.
Academic Advising

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

New students will:
1. Be advised by the College of Education and Human Performance (CEHP) or the Office of Professional Development (OPD) pending admission.
2. Meet college-advising representatives in a group setting during orientation to discuss admission to the major requirements, college policy, procedures, expectations, and degree programs.
3. Review degree requirements at Orientation using the Degree Audit and CBA literature to better understand degree requirements and graduation requirements.
4. Meet with a faculty advisor in the department of their declared major during the first enrolled term to develop an educational plan and develop a plan of action.
5. Set up an appointment with their academic advisor before or during the first enrolled term to begin the process of enrollment.
6. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Undergraduate Advising Office, if a "Pending" major.
2. Review the College of Engineering and Computer Science (CECS) academic policies and procedures.
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.
5. File an on-line "Intent to Graduate Form" 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.
   c. Be advised in the CECS Academic Affairs Office (ENG1 107) if Undecided Engineering majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.
   d. Meet with an advisor in the CECS Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECS Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 345.
   e. 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.
   f. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements.
   g. View a Degree Audit, the registration appointment time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu.
   h. 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.
   i. Participate in the college designated intervention plan if you have been placed on an engineering or computer science advisement hold. An intervention through the CECS Academic Affairs Office will be required each semester a student is on advisement hold; and,
   j. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

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

Continuing students will:
1. Meet with the College of Health and Public Affairs Academic Affairs representative in a group setting during Orientation to:
   a. Review the College of Health and Public Affairs (CHPA) academic policies and procedures.
   b. Plan an appropriate first term schedule.
   c. Be advised in the CHPA Academic Affairs Office (HEC 343) if Undecided 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.
   d. Meet with an advisor in the CHPA Academic Affairs Office or the department of their major during each term. Continuing students are advised by the CHPA Academic Affairs Office.
   e. 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.
   f. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements.
   g. View a Degree Audit, the registration appointment time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu.
   h. Register at the scheduled appointment time in myUCF, or in person in the CHPA Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period.
   i. Participate in the college designated intervention plan if you have been placed on an health or public affairs advisement hold. An intervention through the CHPA Academic Affairs Office will be required each semester a student is on advisement hold; and,
   j. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the CHPA 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 Medicine
Burnett School of Biomedical Sciences

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

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

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

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

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

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

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

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

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

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

- General Biology: BSC 2010, BSC 3403C*
- General Chemistry: CHM 2045C, 2046, 2046L
- Organic Chemistry: CHM 2210, 2211, 2211L
- Biochemistry: BCH 4053
- Biochemistry/Molecular Lab: BSC 3403C
- Microbiology: MCB 3020C
- Calculus: MAC 2235 (prefer MAC 2311, 2312)
- Physics: PHY 2053C, 2054C or PHY 2048, 2049
- Statistics: STA 2023
- Immunology: PCB 3233 and PCB 3233L
- Neurobiology: ZOO 3744
- Psychology/Sociology See recommended list in advising offices

*Biomedical Sciences and Biotechnology majors substitute BSC 3403C (Quantitative Biological Methods) for BSC 2011C.

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

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

Continuing students will:
1. If accepted in a nursing program, attend a College of Nursing orientation and 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, College 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 each semester, 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 an academic advisor within their major department and/or the staff of COSAS (College of Sciences - Academic Services, located in CSB 250) as soon as possible.

New students will:
1. Meet in a group setting during Orientation with representatives from the College of Sciences to discuss college policies and procedures;
2. Meet with representatives of the department of the major to discuss major requirements and plan what courses to take;
3. Refer to COSAS any questions pertaining to General Education requirements, AP and CLEP credit, Gordon Rule, university credit hour requirements, university policies and procedures, 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 or professional advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate;
3. Access the class schedule and Degree Audit online at https://my.ucf.edu;
4. Resolve any HOLDs placed on their account preventing them from registering;
5. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS. All registration must be completed by the published deadlines (see Academic Calendar in the current UCF Catalog);
6. 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,
7. Check their “Fee Invoices” to ensure accuracy of their class schedules.

Students placed on probation due to low UCF GPA will:
1. Have a “HOLD” placed on their subsequent registration;
2. Be required to attend a COSAS workshop. A COSAS Student Success Workshop schedule is available each term at http://www.cos.ucf.edu/cosas/current-students/academic-probation/. Regional Campus students and distance learners should contact COSAS for alternatives to attending a workshop;
3. Design a plan of study with an advisor within the department of their major for the upcoming semester; and,
4. Bring the plan of study to a COSAS advisor prior to the withdrawal deadline of the current semester and prior to registration for the subsequent semester.

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

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. View degree requirements according to catalog year and course prerequisites prior to schedule planning;
3. See a Program Advisor prior to registration to review degree requirements and to make sure you are on track for graduation;
3. View a Degree Audit through myUCF and contact a program advisor in the Office of Student Services regarding questions or concerns; and,
4. File an “Intent to Graduate” online through myUCF by the end of the term prior to the term in which you plan to graduate.

Regional Campus System
http://regionalcampuses.ucf.edu
UCF Regional Campuses provide a wide variety of instruction modes and schedules, including web class availability. Admissions, Registration, Financial Assistance, and Advising and Student Services professionals are located at the following campuses: UCF Cocoa and Palm Bay, UCF Daytona Beach, UCF Sanford/Lake Mary, UCF South Lake and Leesburg, UCF Valencia West and Osceola, and UCF Ocala. 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 degree programs and requirements. Further, students are asked to meet in a pre-advising session prior to Orientation to determine if the student is to attend the required orientation session in Orlando or at through the live or virtual orientation offered by the Regional Campus system. In these sessions, students 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.

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

Orlando Campus students 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 part of the student’s degree program.
Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term's session). Spring Registration begins following midterm for the Fall semester. Summer and Fall Registrations begin following the midterms of the Spring semester. Class listings are available only through the Class Schedule and Course Catalog Search at https://my.ucf.edu.
Registration is available over the web using the myUCF system at https://my.ucf.edu and in the college advising offices. The dates and times for an in registration period are included in the “Academic Calendar” online at http://calendar.ucf.edu.

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

Undergraduate Enrollment Status

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

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

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

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

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

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

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

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

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

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

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

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

Programs using the Limited Non-Degree Seeking status include:
- High school Dual Enrollment
- Continuing Education
- Off-campus credit

Soldiers-to-Scholars
Regional Campuses
Teacher Certification
or re-certification
Students registering for classes in the Limited Non-Degree Seeking status are subject to the following regulations:

1. Students are required to provide evidence of their educational qualifications for attending classes in order to meet the intent of this enrollment classification.
2. Students who have previously denied admission or disqualified for enrollment are not eligible.
3. Non-degree-seeking students are subject to the same rules and regulations as degree-seeking students.
4. Registration is permitted on a space-available basis.
5. A minimum 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, or seeking admission to, a degree or certificate program.
7. Limited non-degree students are not eligible to receive financial aid nor to participate in intercollegiate sports.
8. Students must complete a Limited Non-Degree Seeking Status Registration Form.

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

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

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

State University System (SUS) Florida Transient Students

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

UCF Students Attending Another Florida Public Institution

UCF students who desire to attend another Florida Public Institution, to earn credit for transfer back into a UCF degree program, as a transient student, are encouraged to complete the “Transient Student Form” online, which is available on the Florida Virtual Campus website at http://www.fvc.org under “College Students” > “Transferring”. Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from the UCF Registrar’s Office. The prior approval 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 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 gradua-

Enrollment and Degree Verifications

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

Withdrawal Policy

The Withdrawal period for each term begins after the Drop/Swap deadline. Students remain fee liable for any classes from which they withdraw. Students may withdraw from a class after the add/drop deadline of "W" until the deadline noted in the “Academic Calendar” online at http://calendar.ucf.edu. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar's Office (MH 161), or by a transcript request form found on the Records office. Students may withdraw by fax at 407-823-5652. 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 withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawal from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. Students who withdraw from courses for an entire term with the intent of not returning to UCF must also drop drop courses for any future terms, or be fee and grade liable.

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

Late Drop: Following the close of the Drop/Swap period each term as published in the academic calendar, students withdrawing from courses will incur both grade and fee liability. No drop is permitted after the drop/swap deadline except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for drop after the deadline. Students seeking to petition for a late drop should contact the Office of Academic Services. Exceptional circumstances include, but are not limited to, death of an immediate family member, involuntary call to military service, or administrative errors created by the University. Late drops are normally for all courses taken in the term. If approved, a late drop includes a refund of tuition and fees, and the courses will not appear on the student’s academic records. Students must submit the completed petition and all supporting documentation for a late drop to Academic Services (MH 101) within six months of the end of the term for which the late drop is sought.

Late Withdrawal: No withdrawal is permitted after the withdrawal deadline as published in the academic calendar except in extraordinary circumstances. Unsatisfactory academic performance is not an acceptable reason for withdrawal after the deadline. Students seeking to petition for a late withdrawal must contact the Office of Academic Services. If a late withdrawal is approved, grades of Withdrawn Passing (WP) or Withdrawn Failing (WF) will be recorded as assigned by the instructor(s) of the course(s). A grade of "WF" will affect the calculation of the student’s Grade Point Average. Late withdrawals normally are for all courses taken in the term. If approved, a late withdrawal does not refund tuition, and the student is still fee liable for the late withdrawn courses. Students must submit the completed petition request to the Registrar’s Office (MH 161). Transient credit cannot be used to reduce the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements.
The University uses an alphabetic system to identify student grades in cases involving Academic Behavior Violations, see the current or designee of the outcome. For additional information regarding a medical condition that necessitated the withdrawal. It is the student’s responsibility to drop all courses for any future term or be fee and grade liable. If a medical withdrawal is not approved, the request may be considered as a late withdrawal. If approved as a late withdrawal, grades of Withdrawal Passing (WP) or Withdrawal Failing (WF) will be recorded as assigned by the instructor(s) of the course(s). A grade of "WF" will affect the calculation of the student’s Grade Point Average. Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses if the medical withdrawal petition is approved, because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

Appeal: Students whose academic record change petition has been denied have the right to appeal the decision to the Admission and Standards Committee. All documents supporting the appeal must be submitted within 30 days from the date of notification of the denial. The appeal must be based upon new or missing evidence not previously presented. Simply disagreeing with the decision is not grounds for an appeal.

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

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

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

Beginning Fall 2001, a plus/minus grading system became effective, with a grade point equivalent per semester hour as follows:

<table>
<thead>
<tr>
<th>Grade Points Per</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>C-</td>
<td>1.75</td>
</tr>
<tr>
<td>D+</td>
<td>1.25</td>
</tr>
<tr>
<td>D</td>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Legend: Action: Grade Points
- Repeated Course (Grade Forgiveness, multiple attempts) -
- Incomplete -
- Repeated course (Latest Attempt) -
- No grade reported by instructor (followed by grade) -
- Repeated Course (Not Grade Forgiveness) -
- Repeated course (Grade Forgiveness) -
- Satisfactory Progress (Research, Thesis, or Dissertation) -
- (followed by grade) Subsequently repeated (no credit) -
- Unsatisfactory (no credit) -
- Withdrawn -
- Withdrawn Failing 0.00
- Health Form Withdrawal -
- Medical Withdrawal -
- Withdrawn passing -
- Audit (no credit) -

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

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

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

Example: A student has completed 13 credit hours for a given term. To calculate the Term GPA:
1) Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:
   - Course #1 B+ 3 credit hours X 3.25 grade points = 9.75
   - Course #2 A- 3 credit hours X 3.75 grade points = 11.25
   - Course #3 A 4 credit hours X 4.00 grade points = 16
   - Course #4 B 3 credit hours X 3.00 grade points = 9

   = 46 total grade points

2) Divide the total number of grade points by the total number of credit hours earned that term:
   46.00 total grade points / 13 credit hours = 3.54 GPA for that term.
Academic Regulations and Procedures

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

Incomplete Grade
A grade of "I" (Incomplete) may be assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. The Committee may suspend the student if the requirements of the course cannot be completed in a reasonable time following the end of the term. When an instructor assigns an "I" grade for a course, the student is notified through email about the grade. The student is responsible to arrange with the instructor for the completion of the requirements of the course. Effective with Incomplete grades assigned in the Fall semester 1997 and thereafter, a student cannot graduate from the University with an "I" on the transcript. The Incomplete must be changed within one year of the last day of the term attempted or prior to graduation from the University, whichever comes first. Unresolved Incomplete grades automatically will be changed to "F" by the Registrar's Office. Unresolved "I" grades in courses graded with "S" or "U" will be converted to "U."

Grade Change
A grade change is the change of any originally assigned grade to another grade, including grades of "F" and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade 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 standing if necessitated by a change of grade, except in cases of academic suspension. If a student is suspended, the Admissions and Standards Committee may review the suspension and readmit the student if the Committee decides readmission is warranted.

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

Attendance, Absences, or Unsatisfactory Work
Under University policy, students are not authorized to attend class unless they are on the class roll, or have been approved to audit and have paid audit fees. Students are responsible for satisfying the entire range of academic objectives as defined by the course instructor and ensuring that their class work and attendance are satisfactory. Students should understand that attendance policies and procedures vary among instructors and academic units, and they must observe any special attendance regulations stipulated by their college, school, department, 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 142; 407-823-3696) or, for athletic events only, Academic Services for Student Athletes, Wayne Densch Sports Center, 103A; 407-823-5896. Absences from classes for court-imposed legal obligations (e.g., jury duty and subpoenas) must be excused. The student may offer other sound reasons. When absences threaten a student's satisfactory completion of a course, the instructor may report the absence to the appropriate Dean of the student's college/school and may choose to call upon the college/school office to request additional information and insight into the significance of or reason for the absences.

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

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

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

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

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

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

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

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

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

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

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

Provisional:
A student entering from a regionally unaccredited high school, college, or university may be admitted on provisional status where appropriate. By obtaining a minimum 2.0 GPA (“C” average) at the end of the first term of attendance, the provisional status will be removed. Earning less than a “C” (2.0) average the first term would result in disqualification.

Academic Honors

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

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

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

Baccalaureate Honors and Diplomas
The University shall confer baccalaureate honors recognition on those students who have completed a minimum of 48 credit hours at UCF and who:
1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attend at least a 3.20 overall grade point average; and,
3. Honors awarded will be: Summa Cum Laude for those students in the upper 2.5 percent Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent Cum Laude for those students in the upper 10 percent, but not in the upper five percent

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

Consult the Academic Honors list at http://iikm.ucf.edu/enrollment-graduation/grad-honors-gpa-standing/ for the most up-to-date UCF Honors minimum GPA requirements.

Diplomas are mailed six to ten weeks after Commencement to the address indicated in the online “Intent to Graduate.”

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

Grade Forgiveness

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

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

Academic Standing
All academic actions are shown on myUCF at https://my.ucf.edu and on the transcript. The action is generated due to course completion. Changing a 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
Academic Regulations and Procedures

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

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

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

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

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

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

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

Readmission Following Non-Enrollment for Two Consecutive Semesters
The student must complete and submit the “Readmission Application Form,” available on https://my.ucf.edu. Log on to myUCF using your student ID and password and then go to Student Self Service > Student Center. Once on the Student Center page, go to the “Other Academic...” dropdown menu and scroll down to “Readmission Application.” If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript 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 resident status for tuition purposes. For eligibility requirements, refer to “Florida Residency for Tuition Purposes” within “Financial Information” of the Undergraduate Catalog.

Any readmitted student whose UCF GPA is less than 2.0 at the time of the last enrollment at the University will be readmitted on “Academic Probation.”

All applicants seeking readmission who have attempted course work at another regionally accredited institution since last attending the University will be required to be in “Good Standing” (minimum 2.0 GPA) at the last institution attended with no allowance for grade forgiveness and must be eligible to return to the last institution attended.

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 30 Grade Points
A student who has been academically Disqualified by UCF (with a grade point deficiency less than 30 grade points) who has completed the two term academic suspension period may petition for readmission by submitting the “Readmission Application Form” to the Registrar’s Office. For readmission purposes only, grade point deficiency is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission. The petitioning student must satisfy the following requirements before a decision will be made:

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID);
   b. A “Readmission Application Form” not accompanied by the required written statement will not be reviewed;

2. Contact the Registrar’s Office for information specific to readmission following disqualification. Please note that a plan to complete the program of study from your intended major’s department/school/college may be required as part of the readmission application packet. Until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change; and

3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).

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

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

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);

2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;

3. Provide documents which support and/or verify the extenuating circumstances (if applicable);

4. Supply official transcripts from all other schools attended during the suspension (if applicable);

5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;

6. Submit one stapled packet of 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,
   After a thorough evaluation of both the appeal and all required supporting documentation, the Admissions and Standards Committee will render a decision. The decision of the committee will be based upon university readmission policy and information presented in the appeal. Decisions are final and there is no appeal beyond the committee. If a student feels there is new or missing evidence that was not available at the time of the original appeal, that may be submitted to the Chair of the Admissions and Standards Committee for further consideration. Simply disagreeing with the committee’s decision is not grounds for reconsideration.

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

Academic Amnesty Program

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

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

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

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

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

Athletic Eligibility and Retention Committee

The Athletic Eligibility and Retention Committee (AERC) has oversight of the athletic participation of students who engage in intercollegiate athletics. It relies on information gathered from the Office of Athletic Compliance, the Office of Academic Services for Student-Athletes, coaches and the individual student. Student-athletes who desire to continue their athletic participation while 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. This includes the form as 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.

In addition to legal name changes, the University provides students the option of a Preferred Name. Students wishing to establish a preferred name may accomplish this by submitting the Change of Name Form to the Registrar’s Office.

Address and Email Changes

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

Transcript Requests

Requests for official transcripts are made online via myUCF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. “Transcript Request Forms” are also available on the Registrar’s Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and email 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 required supporting documentation is completed and sent.

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

Third Attempt Course Repeat Surcharges

All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee. Student Account Services (MH 109).

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:

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

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

Financial Hardship:

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

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

For details, contact Student Account Services (MH 109) at 407-823-2433.

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 “Unspecified” 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. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), or when moving from a “Pending” category to the equivalent major (e.g., “Business Pending” to “Accounting”). If the new major is a different subject from the “pending” major (e.g., “Business Pending” to “History”), the student must adopt the most current Catalog and the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residency, students entering UCF in an “Undeclared” or “Unspecified” category may retain their Catalog when initially selecting a major. Students can change majors online at https://my.ucf.edu > Student Self Service > Student Center > academic (drop down menu) > Change Major: Request. Follow the directions on that page.
Minors
A Minor is a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field. A student may declare a minor at any point during the first term of enrollment up to but no later than the online submission of the online “Intent to Graduate Form.” Students strongly are urged to declare a minor as early as possible. Minors are optional unless required by your specific major. All graduation requirements (i.e., the minor and major) must be from a single UCF Undergraduate Catalog for which a student is eligible. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second degree is earned, certification will not be made at a later time even if additional courses have been completed. Students can declare, change, or drop minors online at https://my.ucf.edu > Student Self Service > Student Center > other academic (drop down menu) > Change Major: Request. Follow the directions on that page.

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

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

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

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

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

3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

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

Directory Information
FERPA authorizes the University to classify certain information concerning students as “directory information,” which means that it may be released to anyone upon request. Directory information at UCF includes:

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

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

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

Higher Education Act
Lists, descriptions, and sources of information required for disclosure under the Higher Education Act may be obtained from the Registrar’s Office (MH 161) or from http://www.registrar.ucf.edu/heaa/.
Accelerated Educational Opportunities

The University of Central Florida provides a number of options by which students may shorten the time required to complete the baccalaureate degree. These options permit the University to recognize high levels of academic achievement and acquisition of knowledge prior to or during attendance at the University. Procedures that may be used include the Advanced Placement Program (AP), the College Level Examination Program (CLEP), University Course Credit by Examination, DANTES, and the International Baccalaureate. A maximum of 45 credit hours in any combination of extension, AP, IB, correspondence, CLEP, Armed Forces Service School Credits, and University Credit by Examination will be accepted by the University for application toward an undergraduate degree. In addition, there are accelerated Undergraduate - Graduate Programs linking the bachelor’s and Master’s degree listed in the Undergraduate Catalog.

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

Advanced Placement Program (AP) (see table below)

Students who have participated in the Advanced Placement Program in high school and have received a score of 3, 4, or 5 on the national examinations will receive college credit in the appropriate subject areas. Students should consult their high school guidance counselor or write to the Educational Testing Service, Princeton, NJ 08540, for additional information. The table labeled “Advanced Placement Exams” provides information related to Advanced Placement examination areas and subtest areas for which credit may be awarded.

Advanced Placement Language (all modern languages)

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2220) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 and 2231 or XXX 2220 and 2221) of 2000-level language. No literature credit will be awarded for AP Foreign language exams.

Advanced Placement Literature (all modern languages)

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

Advanced Placement Latin

The AP Latin course focuses on one or two authors. Students either study Vergil, or follow a “Latin Literature” syllabus that includes Catullus and either Horace, Ovid, or Cicero. A minimum of one semester (min. 3 credits) should be awarded for a score of 3 or higher.
AP Latin: Vergil LNW 2321
AP Latin: Latin Literature LNW 3700 (number unique to exam)

### ADVANCED PLACEMENT (AP)

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 3</th>
<th>Score of 4</th>
<th>Score of 5</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>ARH 1000</td>
<td>ARH 2050</td>
<td>Same as 4</td>
<td>ARH &amp; HIS Found 2</td>
</tr>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>BSC 2010C</td>
<td>Same as 3</td>
<td>BSC Found 2</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>MAC 2311</td>
<td>MAC 2311</td>
<td>Same as 3</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>MAC 2311</td>
<td>MAC 2311</td>
<td>Same as 4</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1020 &amp; 1020L</td>
<td>CHM 2045C</td>
<td>Same as 3</td>
<td>CHM Found 1</td>
</tr>
<tr>
<td>Chinese Language &amp; Culture</td>
<td>CHI 2200</td>
<td>CHI 2200</td>
<td>Same as 4</td>
<td>CHI Found 2</td>
</tr>
<tr>
<td>Computer Science A</td>
<td>CS 1075</td>
<td>CS 1075</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Computer Science AB</td>
<td>CS 1075</td>
<td>CS 1075</td>
<td>Same as 3</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Economics: Macro</td>
<td>ECO 1031</td>
<td>ECO 1031</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
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<tr>
<td>Economics: Micro</td>
<td>ECO 2023</td>
<td>ECO 2023</td>
<td>Same as 3</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>English Language and Composition</td>
<td>ENC 1101</td>
<td>ENC 1101</td>
<td>Same as 4</td>
<td>COM Found 1</td>
</tr>
<tr>
<td>English Literature and Composition</td>
<td>ENC 1101</td>
<td>ENC 1101</td>
<td>Same as 4</td>
<td>COM Found 1</td>
</tr>
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<td>Environmental Science</td>
<td>ISC 1051</td>
<td>ISC 1051</td>
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<td>SCI Found 2</td>
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<tr>
<td>European History</td>
<td>EUH 1009</td>
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<td>HIS Found 1</td>
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<tr>
<td>French Language &amp; Culture</td>
<td>FRE 2200</td>
<td>FRE 2200</td>
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<td>SCI Found 2</td>
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<td>French Literature</td>
<td>FRW 3100</td>
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<tr>
<td>German Language &amp; Culture</td>
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<td>GER 2200</td>
<td>Same as 4</td>
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<tr>
<td>Government and Politics: Comparative</td>
<td>CPO 1002</td>
<td>CPO 1002</td>
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<td>Government and Politics: United States</td>
<td>POS 2041</td>
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<td>SCI Found 2</td>
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<tr>
<td>Human Geography</td>
<td>GEO 2400</td>
<td>GEO 2400</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
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<td>Italian Language &amp; Culture</td>
<td>ITA 2200</td>
<td>ITA 2200</td>
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<td>SCI Found 2</td>
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<tr>
<td>Japanese Language &amp; Culture</td>
<td>JPN 2200</td>
<td>JPN 2200</td>
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<tr>
<td>Latin: Literature</td>
<td>LNW 3700</td>
<td>LNW 3700</td>
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<tr>
<td>Latin: Vergil</td>
<td>LNW 2321</td>
<td>LNW 2321</td>
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<td>Music Theory</td>
<td>MUT 1001.5</td>
<td>MUT 1001</td>
<td>Same as 3</td>
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<td>Music Theory</td>
<td>MUT 1001</td>
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<td>SCI Found 2</td>
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<tr>
<td>Music Theory</td>
<td>MUT 1111</td>
<td>MUT 1111</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
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<td>Physics 1</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics 2</td>
<td>PHY 2054C</td>
<td>PHY 2054C</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
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<tr>
<td>Physics B</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
<td>Same as 3</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics C: Electricity/Magnetism</td>
<td>PHY 2054C</td>
<td>PHY 2054C</td>
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<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics C: Mechanics</td>
<td>PHY 2053C</td>
<td>PHY 2053C</td>
<td>Same as 3</td>
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<tr>
<td>Psychology</td>
<td>PSY 2012</td>
<td>PSY 2012</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Language</td>
<td>SPN 2200</td>
<td>SPN 2200</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Literature</td>
<td>SPN 3100</td>
<td>SPN 3100</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Statistics</td>
<td>STA 2023</td>
<td>STA 2023</td>
<td>Same as 3</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Studio Art: Drawing Portfolio</td>
<td>ART 2300C</td>
<td>ART 2300C</td>
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<td>SCI Found 2</td>
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<tr>
<td>Studio Art: 2-D Design Portfolio</td>
<td>ART 2201C</td>
<td>ART 2201C</td>
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<tr>
<td>Studio Art: 3-D Design Portfolio</td>
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<td>ART 2202C</td>
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<td>United States History</td>
<td>AMH 1000</td>
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<td>World History</td>
<td>WOHI 2022</td>
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<td>Same as 3</td>
<td>SCI Found 2</td>
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</tbody>
</table>

*The AB subscore on the Calculus BC exam is regarded the same as a Calculus AB score.

#If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 1005.
Academic Regulations And Procedures

International Baccalaureate Program
(see table below)

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

INTERNATIONAL BACCALAUREATE

<table>
<thead>
<tr>
<th>Exam</th>
<th>Score of 4</th>
<th>GEP Usage</th>
<th>Score 5-7</th>
<th>GEP Usage</th>
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<tbody>
<tr>
<td>Biology</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
<td>BSC 1005/1005L and BSC 2010C</td>
<td>SCI Found 2</td>
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<tr>
<td>Business Management</td>
<td>GEB 2011</td>
<td></td>
<td>GEB 2011 and 2905</td>
<td></td>
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<td>Chemistry</td>
<td>CHM 1020 and 1020L</td>
<td>SCI Found 1</td>
<td>CHM 1020/1020L and CHM 2045C</td>
<td>SCI Found 1</td>
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<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
<td>MAT Found 2</td>
<td>CGS 1078 and 1906</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td></td>
<td>ETI 1410 and 1906</td>
<td></td>
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<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td></td>
<td>ECO 2013 and 2023</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
<td></td>
<td>EVR 1017 and 1906</td>
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<td>English A1</td>
<td>ENC 1101</td>
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<td>ENC 1101 and 1102</td>
<td>COM Found 1 and 2</td>
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<tr>
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<td>SCI Found 2</td>
<td>ISC 1050 and 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Film Studies</td>
<td>FIL 1001</td>
<td>CUL and HIS Found 2</td>
<td>FIL 1001 and 1002</td>
<td>CUL and HIS Found 2</td>
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<td>MTH 1202 and 1209</td>
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<td>GEO 1200 and 1400</td>
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<td>GER 1121C and 2200</td>
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<td>WOH 1030 and WOH 1999</td>
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<td>ITA 1121 and 2200</td>
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<td>MAC 1105 and 1140</td>
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<td>MAC 1147 and 2233</td>
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<td>MUL 2010 and HUM 1906</td>
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<td>Philosophy</td>
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<td>PHI 2010 and 1906</td>
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<td>PHY 2053C and 2054C</td>
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<td>PSY 2012</td>
<td>SOC Found 2</td>
<td>PSY 2012 and 1906</td>
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<td>ANT 2410 and 1906</td>
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<td>SPN 1121 and 2230</td>
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<td>Visual Arts</td>
<td>ART 1012</td>
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*This use for General Education applies only to I.B. credit.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

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<th>Exam</th>
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<td>College Composition</td>
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<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
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<td>English Composition with Essay</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<td>ENL 1000</td>
<td>CUL &amp; HIS Found 2</td>
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<td>Financial Accounting</td>
<td>ACG 1001</td>
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<td>French Language</td>
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<td>German Language</td>
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<td>Information Systems and Computer Applications</td>
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<td>Marketing, Principles of</td>
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<td>Precalculus</td>
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<td>Sociology, Introductory</td>
<td>SYG 2000</td>
<td>SOC Found 2</td>
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<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
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<td>Score of 63 or higher earns</td>
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<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
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<tr>
<td>Western Civilization: Ancient Near East to 1648</td>
<td>EUH 2000</td>
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<td>Western Civilization: 1648 to Present</td>
<td>EUH 2001</td>
<td>CUL &amp; HIS Found 1 or 3</td>
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UNIVERSITY OF CENTRAL FLORIDA

Undergraduate Catalog 2015-2016
Academic Regulations and Procedures

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 II 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 for score of 5-7.

Language A1 (literature courses for native speakers; languages other than English)
No direct equivalent. Content of Language A1 varies widely. Minimum 3 credits in literature for score of 4, 6 credits for score of 5-7.

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

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

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

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

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

CLEP Language Examinations
A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold level (currently 59 for French, 60 for German, or 63 for Spanish) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit should be awarded for CLEP foreign language exams.
Credit by Examination

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

Cambridge AICE Exams
(see table below)

The Advanced International Certificate of Education (AICE) program is an international, advanced secondary curriculum and assessment program equivalent to the British system of “A-Levels.” Information about the program, including course syllabi, can be found online at http://www.cie.org.uk/qualifications/academic/uppersec/alevel.

DANTES Examination Credit
(see table on next page)

The University will award credit to students presenting qualifying scores in DANTES examinations. The table labeled “DANTES Subject Standardized Tests (DSST)” provides information related to the Dantes Examination credit. For additional information: http://www.getcollegecredit.com.

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<td>Applied ICT – Information, Communication Technology (AS-Level)</td>
<td>CGS 1060C</td>
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<td>Art and Design (AS-Level)</td>
<td>ART 1906</td>
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<td>ART 1906 and ART 1907</td>
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<td>BSC 2010C and BSC 1906</td>
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<td>Business Studies (AS-Level)</td>
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<td>Economics (A-Level)</td>
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<td>English – Language (A-Level)</td>
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<td>SYG 2000</td>
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<td>SYG 2000</td>
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<td>Spanish Language (AS-Level)</td>
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*If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102.
#If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102 and LIT 2100.

UNIVERSITY OF CENTRAL FLORIDA

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### Excelsior College Examinations (see table below)

The table labeled “Excelsior College Examinations” provides information related to the Excelsior examination areas and subtest areas for which credit is awarded. More detailed information about Excelsior College Examinations, including detailed test descriptions, can be found online at [http://www.excelsior.edu](http://www.excelsior.edu).

### UEXCEL Credit by Examination (see table below)

The table labeled “UEXCEL Credit by Examination” provides information related to the UEXCEL program developed jointly by Excelsior College and Pearson. More detailed information about the UEXCEL program, including test descriptions can be found online at [http://www.uexceltest.com/about-uexcel](http://www.uexceltest.com/about-uexcel).

#### DANTES SUBJECT STANDARDIZED TESTS (DSST)

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<td>Astronomy</td>
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<td>Business Ethics and Society</td>
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<td>Environment and Humanity</td>
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<td>Ethics in America</td>
<td>PHI 1630</td>
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<td>Foundations of Education</td>
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<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
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<td>Fundamentals of Counseling</td>
<td>PCD 1202</td>
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<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
<td>47</td>
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<td>Here's to Your Health</td>
<td>HSC 1100</td>
<td></td>
<td>48</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
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<td>44</td>
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<td>Human Resources Management</td>
<td>MAN 1300</td>
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<tr>
<td>Human/Cultural Geography</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
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<tr>
<td>Intro to the Modern Middle East</td>
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<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
<td>48</td>
<td>400</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2011</td>
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<td>46</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
<td></td>
<td>45</td>
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<tr>
<td>Lifespan Developmental Psychology</td>
<td>DEP 2004</td>
<td></td>
<td>46</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
<td></td>
<td>46</td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
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<td>Organizational Behavior</td>
<td>INP 1002</td>
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<tr>
<td>Personal Finance</td>
<td>FIN 1100</td>
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<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
<td>46</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
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<td>47</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
<td>47</td>
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<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
<td>47</td>
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<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
<td>48</td>
<td>400</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
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<td>45</td>
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<td>Substance Abuse</td>
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<td>Technical Writing</td>
<td>ENC 2210</td>
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<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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</table>

#### EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tbody>
<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
<td></td>
<td>C</td>
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<tr>
<td>Earth Science</td>
<td>ESC 1000</td>
<td>C</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td>C</td>
<td></td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td>C</td>
<td></td>
</tr>
<tr>
<td>Introduction to Music</td>
<td>MUH 1011</td>
<td>C</td>
<td></td>
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<tr>
<td>Labor Relations</td>
<td>MAN 1400</td>
<td>C</td>
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<tr>
<td>Life Span Developmental Psychology</td>
<td>DEP 2004</td>
<td>C</td>
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<td>Managerial Accounting</td>
<td>AGS 2071</td>
<td>C</td>
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<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
<td>C</td>
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<tr>
<td>Principles of Marketing</td>
<td>MAR 2011</td>
<td>C</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
<td>C</td>
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<td>Workplace Communication with Computers</td>
<td>GST 2335</td>
<td>C</td>
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<tr>
<td>World Conflicts since 1900</td>
<td>WOH 2040</td>
<td>C</td>
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#### UEXCEL CREDIT BY EXAMINATION

<table>
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<tr>
<th>Exam</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Score</th>
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<tbody>
<tr>
<td>Calculus</td>
<td>MAC 2311</td>
<td>MAT Found 1</td>
<td>C</td>
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<tr>
<td>College Writing</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
<td>C</td>
</tr>
<tr>
<td>Spanish Language</td>
<td>SPN 1120</td>
<td>C</td>
<td></td>
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</tbody>
</table>
Requirements for Graduation
Students must fulfill both the requirements for a major and University requirements to receive a bachelor’s degree from the University of Central Florida. The student must:
- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a “C” average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply 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;
- 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 any of the Florida institutions or state universities may use the UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. However, courses may change (for example, in curriculum review. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida College System institutions or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

Choice of Catalog (Catalog Year) and Continuous Enrollment
A student must graduate under the degree requirements of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. However, courses may change (for example, in credit hours or in prerequisites) or be discontinued as a result of curricular review. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida College System institutions or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions. Continuous enrollment is automatically broken when a student moves from one transfer institution to another following academic disqualification or exclusion.

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

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

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

General Education Program Learning Objectives
Communications Foundation
- Demonstrate the ability to analyze the situational characteristics of a communication act: audience, purpose, and source/author.
- Demonstrate the ability to understand communication and speaking skills.
- Demonstrate the ability to write in a clear, logical and appropriate manner.
- Demonstrate the ability to research academic topics and present the synthesis of that research: 1) in speech with appropriate citations; and 2) in texts with correct documentation.
- Demonstrate an awareness of diversity in American society.

Cultural and Historical Foundation
- Be able to gather, synthesize, and analyze information from appropriate resources and be able to critically evaluate information and sources for accuracy and credibility.
- Identify and deepen appreciation of common human themes and the richness of diverse cultures.
- Be able to analyze and discuss meaning of an artwork, performance, or text in diverse aesthetic, historical and cultural contexts.
- Demonstrate knowledge and critical thinking of the concepts, styles, and aesthetic, theoretical, and critical principals in an art.
- Demonstrate knowledge of the chronology and significance of major events and movements in western civilization, U.S. history or world civilization.

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

Social Foundation
- Be able to gather and synthesize information from appropriate resources, and be able to evaluate information and sources for accuracy and credibility.
- Understand how an individual’s place in the world is affected by societal, economic, and political institutions.
- Gain a deeper appreciation of one’s role and potential impact in social, economic, and political structures and functions.
- Understand how individuals behave and interact with other individuals in their psychological, political, economic and social environments.
Undergraduate Degree Requirements

### General Education Program (GEP) Courses (36 credit hours required)

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Acceptable Substitutions</th>
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</thead>
<tbody>
<tr>
<td>A. Communication Foundation</td>
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</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I 1, 2</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II PR: ENC 1101 1, 2</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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<tr>
<td>SPC 1603C</td>
<td>Fundamentals of Technical Presentations</td>
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<tr>
<td>COM 1000</td>
<td>Introduction to Communication</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>B. Cultural and Historical Foundation</td>
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</tr>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I 2</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II 2</td>
</tr>
<tr>
<td>HUM 2020</td>
<td>Encountering the Humanities</td>
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<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I 2</td>
</tr>
<tr>
<td>HUM 2220</td>
<td>Humanistic Tradition II 2</td>
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<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877 2</td>
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<tr>
<td>WOH 2102</td>
<td>World Civilization I 2</td>
</tr>
<tr>
<td>WOH 2202</td>
<td>World Civilization II 2</td>
</tr>
<tr>
<td></td>
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<tr>
<td>C. Mathematical Foundation</td>
<td></td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra 2</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I 2</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics 2</td>
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<td>MGF 1107</td>
<td>Explorations in Mathematics 2</td>
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<tr>
<td>D. Social Foundation</td>
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<tr>
<td>ECO 2003</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>POS 2041</td>
<td>American National Government</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-present 2</td>
</tr>
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<tr>
<td>E. Science Foundation</td>
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<tr>
<td>PHY 2053</td>
<td>College Physics I: MAC 1105C and MAC 1114C</td>
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<tr>
<td>PHY 2048C</td>
<td>Physics for Scientists &amp; Engineers I</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry PR: High School Algebra</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
</tr>
<tr>
<td>BSC 1050*</td>
<td>Biological Principles</td>
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<tr>
<td>BSC 1050*</td>
<td>Biology and Environment</td>
</tr>
<tr>
<td>MCB 1310</td>
<td>Intro to Biotechnology and Genetic Engineering</td>
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</tr>
</tbody>
</table>

*A one credit laboratory is also available for this course.

**A grade of "C-" (1.75) or better in required in this course.

**A grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

### Science Foundation

- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
- Demonstrate an ability to assess the extent to which claims presented as "scientific" satisfy the empirical character of scientific explanations.
- Demonstrate understanding of scientific knowledge and problem solving in a physical or life science.

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

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

### General Education Alternate Courses:

- **Substitutions for designated State General Education Core Courses (♦):** Courses that may be taken in substitution of State General Education Core Courses (♦) are listed below.

### Communication Foundation: Any course with an ENC prefix for which ENC 1101 is a direct prerequisite.

### Mathematical Foundation: Any mathematics course with an MAA, MAC, MAD, MAP, MAT, MGF, MHF, MTB, MTG, or STA prefix for which one of the designated State General Education Core Courses in the Mathematics Foundation is a direct prerequisite.

### Science Foundation:

- Any natural science course with a BOT, BSC, MCB, PCB, ZOO, CHM, CHS, ESC, GLY, AST, PHY, PHZ, or PSC prefix for which one of the designated State General Education Core Courses in the Science Foundation is a direct prerequisite.

- **Other courses that may be taken in substitution for the GEP requirements are listed below. These alternate courses do not satisfy the State General Education Core Course requirement:**

### GEP Requirement

<table>
<thead>
<tr>
<th>Courses</th>
<th>Acceptable Substitutions</th>
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</thead>
<tbody>
<tr>
<td>CHM 1020</td>
<td>CHS 1440, CHM 1322</td>
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<tr>
<td>CHM 2040</td>
<td>CHM 2041</td>
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<tr>
<td>GEO 1200</td>
<td>GEO 2370</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>CGS 2100C, COP 2500C, COP 3500C, COP 3502C, COP 3503C, COP 3504C</td>
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<tr>
<td>STA 2014C</td>
<td>STA 2032</td>
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<tr>
<td>THE 2000</td>
<td>THE 2020</td>
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<tr>
<td>FIL 1000</td>
<td>FIL 2030, FIL 2036, FIL 3037</td>
</tr>
<tr>
<td>MUL 2010</td>
<td>MUL 2015, MUL 2016, MUL 2017</td>
</tr>
</tbody>
</table>

*(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 College System institution or public state university. Students who have previously completed a baccalaureate degree also are exempt.

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

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

Other Courses:
AMH 3422 Frontier Florida
AMH 3425 Sunbelt Florida
AMH 3562 Women in American History II
AML 3283 Contemporary American Women’s Fiction
AML 3615 Harlem, Haiti, and Havana
AML 3882 Ethnic Literature in America
ANT 3245 Native American Religions
ASH 4304 Women in China
CCJ 4129 Cultural Diversity in Criminal Justice
CCJ 4670 Women and Crime
CJE 4174 Comparative Justice Systems
COM 4014 Gender Issues in Communication
COM 4461 Intercultural Communication
CPO 3034 Politics of Developing Areas
EDF 2085 Introduction to Diversity for Educators
GEO 3471 World Political Geography
JST 3401 Jewish People in Antiquity
JST 3402 Wanderings: The Jewish People in Dispersion
LIN 4615 African-American Styles of Communication
LIN 4643 Cross Cultural Communication
LIT 3192 Caribbean Literature
MMC 4300 International Media
MUL 2720 Music of the World
NUR 3905 Dimensions of Professional Nursing Practice
PAD 4446 Multiculturalism in Public Administration
PLA 4020 Law and Society
PLA 4530 World Legal Systems
PLA 4472 Employment Discrimination Law
POS 3627 Cultural Pluralism and Law
PUP 3325 Women and Political Behaviors
POS 4622 Politics and Civil Rights
PUP 3314 Women and Political Behavior
PUP 3204 Sustainability
SOW 3620 Social Work with Diverse Populations
SPV 4772 Black Presence in Contemporary Latin American Literature
SYD 3800 Sex and Gender in Society
SYP 4732 Minority Aging
THE 4230 Cultural Diversity in Theater
WST 3561 Third Wave Feminisms
WST 3015 Introduction to Women’s Studies

Transfer work from other colleges and universities is evaluated by the student’s major department to determine if courses meet the diversity requirement. Satisfaction of this requirement remains in effect if the student changes majors.

Exit Exams

In order to measure their effectiveness, some departments and colleges may require graduating students to participate in an exit exam designed to measure the students’ understanding of the discipline.
Undergraduate Degree Requirements

Foreign Language Proficiency Requirement
(Bachelor of Arts Degree)

Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others for which the University can obtain standardized proficiency tests. Students who have previously received a baccalaureate degree are exempt from this requirement. Native speakers or students who have completed appropriate advanced foreign language education abroad will be considered to have satisfied the requirement.

Placement in Language Courses

Placement in foreign language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of one high school foreign language place the student in the first semester of the third year.

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

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.

2. This is a University-wide requirement for all B.A. majors.

3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (HPH 106).

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

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

American Sign Language

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

SUS Foreign Language Admission Requirement

Students who have not satisfied the Foreign Language Admission Requirement (competency of foreign language or American Sign Language equivalent to the second high school level or higher (Spanish 2, Haitian Creole 2, etc.) or at the elementary 2 level in one foreign language or American Sign Language at an undergraduate institution) at the time they are admitted to the University must satisfy this requirement prior to graduation. This requirement applies to all undergraduates and is separate from the UCF Foreign Language proficiency requirement.

The Gordon Rule

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

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

Gordon Rule Requirement: GEP Courses Which Satisfy:

1. Six hours of mathematics at the level of college algebra or higher (1) College algebra or finite math
2. Six hours of English coursework and six hours of additional college level writing
(2) Specifically identified courses and those from the following list:

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

ENC 1101 Composition I
ENC 1102 Composition II
LIT 2110 World Literature I
LIT 2120 World Literature II
AMH 2010 U.S. History: 1492-1877
AMH 2020 U.S. History: 1877-Present
EIH 2000 Western Civilization I
EIH 2001 Western Civilization II
HUM 2230 Humanistic Tradition I
HUM 2231 Humanistic Tradition II
WOH 2012 World Civilization I
WOH 2022 World Civilization II

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

AMH 2010H Honors U.S. History: 1492 - 1877
AMH 3402 History of the South to 1865
AMH 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 3580 North American Indians
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4140 Jeffersonian America
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4231 United States History: 1914-1939
AMH 4270 United States History: 1939-1960
AMH 4644 Viewing American History in the Twentieth Century
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women’s Fiction
AML 3286 Early American Women’s Words
AML 3614 Topics in African-American Literature
AML 3615 Harlem, Haiti, and Havana
AML 3643 Contemporary Native American Prose and Poetry
AML 3682 Ethnic Literature in America
AML 3682H Honors Ethnic Literature in America
AML 4101 American Novel
AML 4153 American Poetry at Mid-Century
AML 4155 Modern American Poetry
AML 4251 Literature of the South
AML 4265 Florida Writers
AML 4300 Major American Authors
AML 4304 Whitman and His Heirs
AML 4321 Modern American Literature
AML 4630 Latino/Latina Literature
ANT 3163 Mesoamerican Archaeology
ASH 3222 Islam and its Empires
ASH 3223 The Modern Middle East
ASH 4402 History of Chinese Civilization
ASH 4404 Modern China
ASH 4442 Modern Japan
EAS 4700C Aerospace Design I
EGN 4412C Interdisciplinary Design I
EMI 4501C Engineering Design I
ENC 1101H Honors Freshman Composition I
ENC 1102H Honors Freshman Composition II
ENC 3241 Writing for the Technical Professional
ENC 3241H Honors Writing for the Technical Professional
ENC 3250 Professional Writing
ENC 3310 Magazine Writing I
ENC 3311 Essay as Cultural Commentary
ENC 3315 Argumentative Writing
ENC 3330 Rhetorical Traditions
ENC 3331 Rhetoric and Civic Engagement
ENC 3331H Honors Rhetoric and Civic Engagement
ENC 3333 Writing for Publication
ENC 3351H Honors Writing for Publication
ENC 3373 Cultural Rhetorics
ENC 3417 Literacy and Technology
ENC 3453 Writing About Health and Medicine
ENC 3455 Writing About Science and Technology
ENC 3455H Honors Writing About Science and Technology
ENC 3456H Honors Writing About Health and Medicine
ENC 3473 Writing in Disciplinary Cultures
Undergraduate Degree Requirements

Summer Attendance Requirement
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. Petition forms for exemption are available from the Academic Services website http://www.academicservices.ucf.edu/summer-waiver/.

Admission to the Upper Division
To be classified as an upper division student at the University of Central Florida, a student must complete the following:
1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline
Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Graduating students must be enrolled at UCF during the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://commencement.ucf.edu.

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 may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.

Correspondence Courses
The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by email). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra classes. It is possible to enroll any time during the year.

UNIVERSITY OF CENTRAL FLORIDA
75 Undergraduate Catalog 2015-2016

Undergraduate Degree Requirements

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Undergraduate Degree Requirements

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

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

Double Majors

- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. If both majors are within the same college and are of the same degree type (BA or BS), both majors will be indicated on the diploma; however, if the majors are from different colleges or are of different degree types, only one major will appear on the diploma. Students earning a double major must use the same Catalog year for both majors.

Two Degrees

- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned.

Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination

Students attempting multiple majors or degrees beyond two must consult with the Registrar’s Office for coordination among degree programs. Responsibility for doing so rests with the student. The stipulations for two majors and/or two degrees will apply as well as other minimum amount of hours and prohibitions about combinations.

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Undergraduate Catalog.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
### ACADEMIC DEGREES, MAJORS, AND MINORS

#### Associate of Arts Degree
University of Central Florida students who satisfactorily complete 60 credit hours of acceptable college work may apply for an Associate of Arts degree. University requirements include achievement of a minimum UCF GPA of 2.0, fulfillment of the General Education Program requirements, and completion of the last 20 credit hours in residence at UCF. In addition, any student who desires to receive an A.A. degree must have satisfied the Gordon Rule requirement. Students who initially enter a Florida College System institution or a State University System institution in 2014-2015 or thereafter must also demonstrate competency in a foreign language equivalent to two years of high school instruction in the same language.

The Associate of Arts degree is awarded only upon application. The application form may be obtained from [http://www.academicservices.ucf.edu/AA-degree](http://www.academicservices.ucf.edu/AA-degree) and completed by the end of the first week in the term in which the Associate of Arts degree is to be awarded. A student may not be enrolled as a transient student in another institution during the term in which the Associate of Arts degree is to be awarded. An Associate of Arts degree will not be awarded in the same term that the baccalaureate degree is to be awarded or in any term following the completion of the baccalaureate degree.

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

### College of Arts and Humanities
Bachelor of Arts (B.A.)
- Art, Digital Media, English, Film,
- French, History, Humanities and
- Cultural Studies, Latin American
- Studies, Music, Philosophy, Religion
- and Cultural Studies, Spanish,
- Theatre Studies, Writing and
- Rhetoric

Bachelor of Design (B.Des.)
- Architecture

Bachelor of Fine Arts (B.F.A.)
- Art, Film, Theatre

Bachelor of Music (B.M.)

Bachelor of Music Education (B.M.E.)

Bachelor of Science (B.S.)
- Photography

### College of Business Administration
Bachelor of Science in Business Administration (B.S.B.A.)
- Accounting, Business Economics,
- Finance, Integrated Business,
- Management, Marketing,
- Real Estate

Bachelor of Science (B.S.)
- Economics

### College of Education and Human Performance
Bachelor of Science (B.S.)
- Art Education, Early Childhood
- Development and Education,
- Elementary Education,
- English Language Arts Education,
- Mathematics Education, Science
- Education, Social Science
- Education, Sport and Exercise
- Science, Technical Education and
- Industry Training, World Languages
- Education

### College of Engineering and Computer Science
Bachelor of Science (B.S.)
- 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.)
- Communication Sciences and
- Disorders, Criminal Justice, Legal
- Studies, Public Administration

Bachelor of Science (B.S.)
- Athletic Training, Communication
- Sciences and Disorders, Criminal
- Justice, Health Informatics and
- Information Management,
- Health Sciences, Health Services
- Administration, Legal Studies,
- Public Administration

Bachelor of Social Work (B.S.W.)
- Social Work

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

### College of Nursing
Bachelor of Science in Nursing (B.S.N.)
- Nursing

### College of Optics and Photonics
Bachelor of Science in Photonic Science and Engineering (B.S.P.S.E.)
- Photonic Science and Engineering

### College of Sciences
Bachelor of Arts (B.A.)
- Advertising-Public Relations,
- Anthropology, Communication
- & Conflict, Human Communication,
- International and Global Studies,
- Journalism, Physics, Political
- Science, Radio - Television,
- Sociology

Bachelor of Science (B.S.)
- Biology, Chemistry, Forensic
- Science, Mathematics, Physics,
- Psychology, Social Sciences,
- Statistics

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

### College of Undergraduate Studies
Bachelor of Applied Science (B.A.S.)
(Regional campuses only)

Bachelor of Arts (B.A.)
- Interdisciplinary Studies

Bachelor of Science (B.S.)
- Interdisciplinary Studies
### Academic Minors by College

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
</tr>
</thead>
<tbody>
<tr>
<td>College of Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
</tr>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Event Management, Hospitality Management</td>
</tr>
<tr>
<td>College 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/).
The Burnett Honors College
Dean: Alvin Wang
407-823-3449; Fax: 407-823-6583
http://www.honors.ucf.edu
Associate Dean: Martin Dupuis
Director of Budget & Personnel: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Information Systems: Michael T. Callahan
Director of Prestigious Awards: Morgan Bauer
Director of Research and Civic Engagement: Kelly Astro
Director of Student Services: Madi Dogariu

The Burnett Honors College combines the intimacy of a small liberal arts college with the benefits of a large, research university located in a metropolitan environment. The mission of the College is to provide UCF’s most academically talented and motivated students with a challenging and unique scholarly experience, creating a strong foundation for future achievements. The College strives to create a diverse learning community that fosters the pursuit of excellence, ethical, social, and civic responsibility, personal growth, and a passion for life-long learning.

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

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

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

University Honors
Admission to University Honors is granted by TBHC to qualified incoming freshmen (FTIC) on a competitive basis. Students who seek admission to University Honors must apply directly to TBHC. It is the student’s responsibility to obtain the appropriate Honors College admissions information from the TBHC Office of Student Services and follow the procedures necessary to enter the program. Prospective Honors students and their families are encouraged to contact Honors staff at honors.admissions@ucf.edu if they have questions.

Qualified students who transfer to UCF with an AA Degree with Honors from a Florida College System institution that has an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services at honors.admissions@ucf.edu.

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

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

Summary Table of University Honors Requirements

| Symposium: | IDH 1920H |
| Lower-division: | 4 courses |
| Upper-division: | 3 courses; Vary by College and Major (see below) |

The current upper-division3 requirements are as follows:

- **College of Arts and Humanities, College of Education and Human Performance, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Economics (B.A.) and Interdisciplinary Studies majors**
  1. Complete one Honors Interdisciplinary Seminar3
  2. Complete one Honors upper-division course (3000-4000 level) or Interdisciplinary Seminar6
  3. Complete one Honors upper-division course, Interdisciplinary Seminar, or Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

- **College of Business Administration (Excluding Economics B.A. majors)**
  1. Complete one Honors Interdisciplinary Seminar3
  2. Complete two Honors upper-division Business courses
     - BUL 3130H Honors Legal & Ethical Environment of Business
     - FIN 3403H Honors Business Finance
     - MAN 3025H Honors Management of Organizations
     - MAR 3023H Honors Marketing
     - MAR 3203H Honors Supply Chain Management
     - Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

Consult with an Honors advisor to find out when these courses are being offered.
The Burnett Honors College

Course of Study

1. Complete one Honors Interdisciplinary Seminar.
2. Complete two of the following Honors upper-division courses:
   - MCB 3020C: Honors Microbiology
   - ZOO 3733C: Honors Human Anatomy
   - PCB 3703C: Honors Human Physiology
   - PCB 3522H: Honors Molecular Biology 1
   - PCB 4524H: Honors Molecular Biology II
   - ZOO 4704C: Honors Clinical Neuroanatomy
   - MCB 4932H: Honors Group Effort Applied Research

Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

College of Engineering and Computer Science

1. Complete one Honors Interdisciplinary Seminar.
2. Complete two Honors upper-division courses:
   - COP 3232H: Honors Introduction to Programming with C
   - COP 3032H: Honors Computer Science I
   - COP 3053C: Honors Computer Science II
   - COT 3100H: Honors Introduction to Discrete Structures
   - ENC 3241H: Honors Writing for the Technical Professional
   - EGN 3310H: Honors Engineering Analysis-Statics
   - EGN 3321H: Honors Engineering Analysis-Dynamics
   - STA 3323H: Honors Probability and Statistics for Engineers
   - EGN 3343H: Honors Thermodynamics
   - MAS 3105H: Honors Matrix and Linear Algebra
   - EGN 3365H: Honors Structure and Properties of Materials
   - PHY 3101H: Honors Physics for Engineers and Scientists III

Undergraduate Honors Thesis (PR: Hon Directed Readings; see BHC 107 for information)

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

Acceptable Waivers

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

Notes

Students who are pursuing University Honors in two degrees must complete an additional Upper-Division course or Interdisciplinary Seminar in order to receive University Honors distinction on both diplomas.

Honors in the Major (HIM) Directed Readings courses do NOT fulfill University Honors requirements. The successful completion of Thesis I and submission of thesis can fulfill one University Honors course requirement. EGN 4931H and NUR 3165H can fulfill HIM Directed Readings.

Honors in the Major

The Honors in the Major (HIM) Program is the oldest and most prestigious undergraduate research program at UCF, and is the only undergraduate research program on campus in which students undertake original and innovative research as principle investigators. In this program, students research, write, defend and publish an original Honors thesis that serves as the capstone product of their undergraduate career. This thesis is published through the university library and is available to researchers worldwide through electronic databases. The Honors in the Major Handbook that details the procedures for completing this program is available online at http://research.honors.ucf.edu/honors-in-the-major.

Requirements for admission to the Honors in the Major are: completion of at least 60 credit hours of college credit including at least 12 graded upper-division hours; at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses regardless of institution. Students who meet the eligibility requirements must obtain an application from the Office of Research and Civic Engagement in The Burnett Honors College. Students must also be supported by a UCF faculty member and seek approval from their Department Chair before submitting their application materials.

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and completion of at least three hours of Directed Readings course work, and the completion of at least three hours of Honors Thesis. Nursing majors can take NUR 3165H in lieu of Directed Readings and will write a thesis proposal as part of their coursework. Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the Thesis Chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Chair and at least two committee members must be tenured or tenure-earning faculty. The student must receive a grade of at least “B” in all Honors in the Major course work to complete Honors in the Major.

The student must file an “Intent to Graduate with Honors in the Major” form with the TBHC Office of Research and Civic Engagement the semester before their anticipated graduation date. A student who completes all of the requirements for Honors in the Major, including maintaining at least a 3.5 GPA within the major and at least a 3.2 GPA in all upper-division courses, will have the designation of “Honors in (subject area)” noted on the diploma and the University transcript. Note: No student with a “Z” designation on his/her final 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@ucf.edu.

Burnett Research Scholars

The Burnett Research Scholars Program (BRS) is designed to help students identify and work with a faculty mentor in an area of shared interest, and then to assist student-mentor teams with project funding. In order to be a Burnett Research Scholar, students must submit a grant application and be selected to receive funding. BRS is open to all UCF students with a minimum overall GPA of 3.2. A limited number of BRS grants are competitively awarded to students and faculty for fall, spring, or summer semester research. Students seeking more information about BRS should visit http://research.honors.ucf.edu.

Office of Prestigious Awards

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

OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards, preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information can visit http://www.opa.honors.ucf.edu or contact OPA by phone at 407-823-4019, by email at OPA@ucf.edu, or by visiting BHC 102A.

For more information about BRS grants program, please contact the Office of Research and Civic Engagement in BHC 107 or by phone at 407-823-6402.
The College of Arts and Humanities includes the following departments: English, History, Modern Languages & Literatures, Philosophy, and Writing & Rhetoric. The College houses programs in Africana Studies, American Studies, Asian Studies, Florida Studies, Judaic Studies, Latin American Studies, Middle Eastern Studies, Russian Studies, and Women’s Studies. The college also oversees the School of Visual Arts and Design, which offers degrees in Art, Architecture, Digital Media and Film, and the School of Performing Arts, which offers degrees in Music and Theatre. In keeping with the goals of the University of Central Florida, the College is responsible for all programs in the areas of humanities and arts. The departments collectively offer more than 75 baccalaureate and graduate programs. For additional information concerning graduate programs, please refer to the current online Graduate Catalog. In addition to providing academically strong degree programs in the areas noted above, the College of Arts and Humanities offers a selection of courses that are designed to complement the programs of the other colleges of the University. These offerings include a number of courses necessary to satisfy the University’s General Education program.

A student enrolled in the College as an undergraduate must fulfill all University degree requirements including those for general education as well as the particular requirements set forth within each area of specialization. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in each major course. Students are advised to consult their departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not fulfill the requirement.

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean’s office by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.
Preprofessional Programs

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

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

Advisement

College of Arts and Humanities Student Advising (CAHSA)

Director: Delia Garcia
CNH 201; 407-823-3312
Email: cahsa@ucf.edu
http://cahsa.cah.ucf.edu

CAHSA is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be addressed via email to cahsa@ucf.edu or to the CAHSA staff by visiting CNH 201. Questions concerning the requirements within a major should be directed to the department offering the degree. The student should contact the department early in his/her academic career and meet with his/her advisor for course planning every semester.

Program Planning

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

Area Studies Programs

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

Africana Studies - Contact: Anthony Major; 407-823-0026
American Studies - Contact: Delia Garcia; 407-823-3312
Asian Studies - Contact: Humberto Lopez; 407-823-2472
Judaic Studies - Contact: Moshe Pell; 407-823-5039
Latin American Studies - Contact: Consuelo Stebbins; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225
Russian Studies - Contact: Vladimir Solonari; 407-823-6617, or Alla Kourova; 407-823-2472
Women’s Studies - Contact: Maria Santana; 407-823-2269

International Study Centers

Undergraduate Inter-institutional Transient Program
The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits 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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<td>Music</td>
<td>BA, BM, MA, Minor</td>
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<td>Russian Studies</td>
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<td>Spanish</td>
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<td>Theatre</td>
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<td>Minor</td>
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<tr>
<td>Writing and Rhetoric</td>
<td>Minor</td>
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Departments and Programs

Africana Studies: Program

Program Director: Anthony Major
CNH 110; 407-823-0026
http://africana.cah.ucf.edu/

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Latin American Studies, Political Science, Psychology, Sociology, Anthropology, Film, Theatre, and the Sciences. The program’s inter-
disciplinary 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 Studies

### American Studies: Program

**Contact:** Delia Garcia  
CNH 201; 407-823-3312

The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from Literature, Humanities, Social Sciences and History.

**Degrees:** None  
**Tracks:** None  
**Minors:** American Studies

### Asian Studies: Program

**Contact:** Humberto Lopez  
CNH523; 407-823-2472

An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilizations 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 courses from the curricula of participating programs (Anthropology, Art History, Economics, English, Modern Languages, History, Humanities, Philosophy, Political Science).

**Degrees:** None  
**Tracks:** None  
**Minors:** Asian Studies

### Community Arts—PAVE: Program

**Program Director:** Byron Clercx  
VAB 117; 407-823-3145

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

**Degrees:** None  
**Tracks:** None  
**Minors:** Community Arts

### Department of English

**Chair:** Patrick Murphy  
CNH 405; 407-823-5596  
Email: english@ucf.edu  
http://www.english.cah.ucf.edu/

**Faculty:** Angley, Applen, Bartkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Flammia, Gleyzon, Grajeda, Hasanat, Hohenleitner, Hubbard, Jardaneh, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meehan, Moody, Morton, Murphy, Neal, Nwakanma, Oliver, Poissant, Pugh, Rodriguez-Milanes, Roney, Rushin, Schell, Seidel, Stap, Telep, Thaxton, Trouard, Ulrich, Young; Professors Emeriti: Adicks, Barnes, Omans, Schiffhorst

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

**Degrees:** English (BA, MA), Creative Writing (MFA)  
**Tracks:** Literature, Creative Writing, Technical Communication  
**Minors:** Creative Writing, Digital Humanities, Florida Studies, Literature, Linguistics, Medieval/Renaissance, Technical Communication

### Department of History

**Chair:** John Sacher  
CNH 551B; 407-823-2225  
Email: history@ucf.edu  
http://history.cah.ucf.edu/

**Faculty:** Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Fariess, Fernandez, Foster, French, Gannon, Gordon, Herlihy, Kallina, Larson, Lester, Lindsay, Long, Lyons, Martinez-Fernandez, Murphree, Nair, O’Shea, Ozoglu, Pineda, Sacher, Solonari, Walker, Walters, White, Zhang; Faculty Emeriti: Colbourn, Leckie-Reed, Pauley, Shofner

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

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

The Department participates in the programs in Women’s Studies, American Studies, Africana Studies, Asian Studies, Digital Humanities, Florida Studies, Judaic Studies, Middle Eastern Studies, and Latin American, Caribbean and Latino Studies.

**Degrees:** History (BA, MA, Accelerated MA)  
**Tracks:** None  
**Minors:** Diplomacy, Florida Studies, History, Middle Eastern Studies, Russian Studies

### Judaic Studies: Program

**Program Director:** Moshe Pelli  
CNH 415 E-J; 407-823-5339 or 823-5129  
Email: judaicst@ufc.edu  
http://www.judaicstudies.cah.ucf.edu

**Faculty:** Hanson, Pelli

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

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

**Degrees:** None  
**Tracks:** None  
**Minors:** Judaic Studies  
**Certificates:** Judaic Studies

### Latin American Studies: Program

**Program Director:** Consuelo Stebbins  
CNH 122; 407-823-1173  
Email: latinamerica@ucf.edu  
http://las.cah.ucf.edu/

The Latin American Studies BA and Minor provide students with an interdisciplinary knowledge of and the necessary tools to understand Latin America, the Caribbean, and Latinos in the United States. Students completing the minor will be prepared to apply their knowledge on the areas covered by the minor in a variety of careers includ-
College of Arts and Humanities

Degrees: Latin American Studies (BA)
Tracks: None
Minors: Latin American Studies

Middle Eastern Studies: Program
Program Director: Hakan Ozoglu
CNH 551; 407-823-2225
Email: hakan@ucf.edu
Advisory Board Co-Chairs: John C. Bersia; Janan Smither
http://middleeasternstudies.cah.ucf.edu/

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (Modern Languages, History, Humanities, Judaic Studies, Philosophy, and Political Science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

Department of Modern Languages and Literatures
Interim Chair: Humberto Lopez
CNH 523; 407-823-2472
Email: filacult@ucf.edu
http://mll.cah.ucf.edu/


The Department provides instruction in Arabic, Chinese, French, Italian, Japanese, Portuguese, Russian, and Spanish, with majors in French, and Spanish. These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), TESOL (MA)
Tracks: None
Minors: French, Italian, Russian Studies, Spanish
Certificates: TEFL, Translation

Department of Philosophy
Chair: Michael Strawser
PSY 220; 407-823-2273
Email: philosophy2@ucf.edu
http://www.philosophy.cah.ucf.edu/

Faculty: Cash, Coverston, DiBernardo, Evans, Fiore, Gleig, Janz, Jones, Kassim, Kuang, Mihale, Park, Schippert, Stanlick, Strawser; Faculty Emeriti: Congdon, Flick

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

Degrees: Philosophy (BA), Religion and Cultural Studies (BA), Humanities and Cultural Studies (BA)
Tracks: None
Minors: Cognitive Sciences; Humanities and Cultural Studies; Philosophy; Religion and Cultural Studies

Department of Writing and Rhetoric
Chair: Elizabeth Wardle
CNH 307I; 407-823-2295
Email: writingandrhetoric@ucf.edu
http://writingandrhetoric.cah.ucf.edu/

Faculty: Barnickel, Bell, Bowdon, Bryan, Calkins, Cavanagh, Ethridge, Gilbreath, Gornd, Guenzel, Hall, Henken, Hepsner, Holic, Ives, Kyle, Launder, Marinara, Martin, Owens, Pigg, Richardson, Ringfield, Rios, Rozzen, Rounsaville, Schell, Schultz, Scott, Stack, Taylor, Tripp, Vie, Walls, Wardle, Weaver, Wolcott, Wright, Zemlinsky

The Department of Writing and Rhetoric oversees the First-Year Composition Program and offers certificate and degree programs for the focused study of writing and rhetoric, including professional digital and civic writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and Writing Across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

Degrees: Rhetoric and Composition (MA), Writing and Rhetoric (BA)
Tracks: None
Minors: Writing and Rhetoric,
Certificates: Public and Professional Writing, Professional Writing (Graduate certificate)

School of Performing Arts
Director: Jeffrey Moore
Music:
PAC M203; 407-823-2869; Fax: 407-823-3378
Email: ucfmusic@ucf.edu
http://www.music.cah.ucf.edu/


The Music unit offers a Bachelor of Music degree with options in performance, jazz studies, and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education and Human Performance. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, 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, Jazz Studies
Minors: Music, Performing Arts Administration

Theatre:
PAC T210A; 407-823-2862
Email: theatre@ucf.edu
http://www.theatre.cah.ucf.edu/

Faculty: Boyd, Brotherton, Brown, Chichurel, Harris, Heil, Helsinger, Ingram, Lartonoix, Listengarten, McDonald, Niess, Routlier, Rusnock, Scott, Shafer, Siegfried, Snyder, St. Claire, Tan, Tollesfon, Weaver, Wood; Professor Emeritus: Stacey, Smith

The Theatre unit seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and
Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Art and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the Central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

**Degrees:** Theatre (BA, BFA, MA, MFA)

**Tracks:** BFA, Musical Theatre, MFA, Acting, Theatre for Young Audiences

**Minors:** Dance, Theatre

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**School of Visual Arts and Design**

*Director: Byron Clercx*

VAB 117; 407-823-2676

Email: svadadvising@ucf.edu

http://svad.cah.ucf.edu/

**Faculty:** Abbas, Abraham, Adams, Ahearn, Burrell, Buyssens, Cabrera, Clercx, Colon-Mendoza, Cooper, Croft, Danker, Dombrowski, Gaudnek, Gerstein, Hadinka, Hall, Haran, Harris, Hughes, Ingle, Jones, Kim, J., Kovach, Lotz, Major, Martin, McDaniel, Mills, Nolan, Novatnak, Peters, Peterson, Poindexter, Price, Raimundi-Ortiz, Reedy, Rivers, Rohdie, Salter, Sandler, Santana, Schlow, Shbeeb, Shults, E. Smith, P. Smith, Spencer, Stoeckl, Sung, Theen, Tikhonova, Underberg-Goode, Watson, Wyatt, Zahor, Professor Emeritus: Francis, Frederick, Mosheil

The School of Visual Arts and Design (SVAD) is a combination of the Art, Architecture, Digital Media, and Film programs. Topics covered by SVAD degrees include traditional studio arts, design, and art history; emerging media concepts that are the foundation of animation, game and interactive design; and film programs that develop a student's creative voice, appreciation and understanding of the medium. Art degrees offer studies in traditional forms of painting, drawing, photography, and ceramics and supply core skills necessary to pursue professional careers in both emerging media and the fine arts. Film degrees explore entrepreneurial filmmaking and the use of new production and distribution technology, as well as film theory, criticism, and history. This curriculum prepares the student for work in the industry or for graduate study. Digital Media degrees explore creative expression through digital media platforms such as video games and the World Wide Web, interactive design and programming, narrative techniques for digital storytelling, and new media business models. Students acquire a highly marketable body of knowledge leading to solid careers in industry or in creative research.

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**College of Arts and Humanities**

The Art BFA – Emerging Media Track – Character Animation Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Art BFA – Emerging Media Track – Graphic Design Specialization requires a portfolio for acceptance and is usually submitted in February each year for admission in the following fall term.

The Film BFA is a limited access program that requires an application and creative portfolio and is usually submitted in December each year for admission in the following fall term.

While the Art BA – Studio Track, Art BFA – Studio Track, and Art BFA – Emerging Media Track – Experimental Animation specialization programs are not limited access, many of the required upper-level courses require the completion of a student portfolio that is usually submitted near the beginning of a student’s Junior year.

The Architecture BD program is offered at UCF at the Valencia West Campus.

The Photography BS program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the main UCF Orlando campus as part of the Art BA – Studio Track and Art BFA – Studio Track degree programs.

Complete information about faculty, curriculum, and admission requirements is available on the School of Visual Arts and Design website (see above). Students should pay close attention to program admission requirements and periodically check with School advisors and the SVAD website.

**Degrees:** Architecture (BD), Art (BA, BFA), Digital Media (BA, MA), Emerging Media (MFA), Film (BA, BFA, MFA), Photography (BS)

**Tracks:** Art History, Cinema Studies, Emerging Media, Game Design, Studio Art, Visual Arts and Emerging Media Management, Web Design

**Minors:** Art History, Community Arts – PAVE, Digital Media, Film-Cinema Studies, Studio Art

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**Women’s Studies: Program**

*Program Director: M.C. Santana*

CNH 122; 407-823-6502

Email: womenst@ucf.edu

http://www.womensstudies.cah.ucf.edu/

**Faculty:** Preston-Sidler, Santana, Tweed

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 and Gender Studies

**Certificate:** Gender Studies

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Arts and Humanities are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Business Administration

Dean: Paul Jarley
BA1 230; 407-823-2181
http://business.ucf.edu

Associate Dean: Foard Jones
BA1 230; 407-823-2181

Associate Dean: E. Taylor Ellis
BA2 302-J; 407-823-2187

Assistant Dean: Lynn Becker
BA1 101; 407-823-3493

Vision

UCF Business will continue the transformation into a next-generation business school through the development of a unique college culture; one that promotes engagement, risk-taking, cross-disciplinary collaboration and data-driven decision making.

Moving Forward

While core business curriculum remains unchanged, the world of business is constantly changing, as is the way students learn and receive information.

The foundation of the College of Business Administration’s mission and vision are to strengthen the college, the university, and ultimately, the Central Florida community. This is achieved by focusing on critical factors in higher education: students, faculty, programs and facilities. As such, the college aspires to:

- Offer the benefits of a large, metropolitan research university while providing individual attention and maintaining a sense of community for our students and faculty.
- Create a state-of-the-art educational facility that cultivates a learning environment, promoting collaboration, engagement, risk taking and data-driven decision making.
- Provide increased opportunities for student engagement and one-on-one learning.
- Cultivate an ecosystem that develops entrepreneurs from all backgrounds and skill sets.
- Raise the academic profile of the college by recruiting research faculty in key disciplines and by incorporating top industry executives into the curriculum.

The college will elevate the career prospects of students as well as the perceptions of graduates in the community, by ensuring students are career-ready upon graduation by providing experiential learning and developmental feedback. In addition, the college strongly encourages students to explore possible careers through mentoring, summer employment and job shadowing.

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

Pre-Major

Admission to the University of Central Florida does not imply admission to the College of Business Administration (CBA). We are a selective admission college. You must qualify to be admitted into the college and therefore all students enter the university as a ‘pre’ business major. This applies regardless of the specific business major a student intends to pursue. As a ‘pre’ major, students will:

1. Complete the General Education Program
2. Complete the Gordon Rule requirements
3. Complete the Business Common Program Prerequisites (CPP) with a grade of C or better. The CPP classes are:
   - MAC 1105: College Algebra
   - ACG 2021: Financial Accounting
   - ACG 2071: Managerial Accounting
   - ECO 2013: Macroeconomics
   - ECO 2023: Microeconomics
   - ECO 3401: Quantitative Business Tools I, or STA 2023 Statistics and MAC 2233 Concepts of Calculus
   - CGS 2100: Computer Fundamentals for Business
4. Complete the Primary Business Core. The Primary Business Core classes are:
   - MAN 3025: Management of Organizations
   - MAR 3023: Marketing
   - FIN 3403: Finance
   - ECO 3411: Quantitative Business Tools II
   - ACG 3173: Accounting for Decision Makers
   - Or if pre-accounting ACG 3131 Intermediate Accounting I
5. Complete GEB 3003: Career Research and Planning
The Business Common Program Prerequisites are required curriculum for all students within the Florida State University system pursuing a BSBA degree.

The Primary Business Core classes are the heart of the business world. As such they provide students with the basics to be successful in any business endeavor. It is important that students strive to thoroughly learn the material in this coursework as academic performance in the Primary Business Core is used to meet admission to the major standards.

The GEB 3003 Career Research and Planning class is designed to help students align their major and career interest. In this class students take self-assessments to identify career-related skills and interests. Based on their results, students perform research to identify and learn about a target career, target company(ies), and target entry-level jobs. All of the above requirements (numbers 1-5) must be completed before beginning any Business Major.

How to Select Your Major
Now you are ready to select a business major based upon your interests and skills identified in the GEB 3003 class, and your experiences in all of the Primary Business Core classes.

Due to the highly specialized nature of the revised Accounting, Finance, Management, and Marketing majors, interested candidates must show mastery of the subject matter in all aspects of the Primary Business Core, as demonstrated by a 3.0 GPA in the five classes. Additionally, a grade of at least a B "3.0" is required in the introductory course of your desired major and a minimum grade of C "2.0" is required in all business classes within the program. Upon admission into the Accounting, Finance, Management, and Marketing majors, students must maintain a minimum 2.75 GPA in the Major and a minimum 2.0 GPA in the College to successfully complete the degree.

All students, upon successful completion of the Primary Business Core classes with a minimum GPA of 2.0 are eligible to enter the Economics, Real Estate and Integrated Business majors. Upon admission into the Economics, Real Estate, and Integrated Business majors, students must maintain a minimum 2.0 GPA in the Major and College to successfully complete the degree. For more information on these requirements, visit: http://business.ucf.edu/degree/bachelors-sciences-business-administration/accounting/

In addition to completing the requirements for their major, students must also complete the Secondary Business Core and the remaining three courses in the Professional Development Sequence.

1. The Secondary Business Core: These courses are designed to ensure that you have a solid understanding of the various functions of business and the environment in which the enterprise operates. The Secondary Business Core culminates with our "Great Case Competition" which is part of our Strategic Management Course (MAN 4720) and has become a signature experience for all business students:
   a. GEB 3375: Introduction to International Business (3 credit hours)
   b. BUL 3130: The Legal and Ethical Environments of Business (3 credit hours)
   c. MAR 3203: Supply Chain Management (3 credit hours)
   d. MAN 4720: Strategic Management/Capstone (3 credit hours)

2. The Professional Development Sequence: Students must also complete the professional development sequence that began with GEB 3003. The goal of the Professional Development curriculum is that students will research potential career opportunities and take steps to secure employment prior to graduation:
   a. GEB 3005 Career Search Strategies
   b. GEB 4223 Business Interviewing Techniques
   c. GEB 4004 Executing Your Career Plan

Student Load
A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

Programs and Degrees

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Accounting</td>
<td>BSBA, MSA</td>
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<tr>
<td>Economics</td>
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<td>Finance</td>
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<td>Marketing</td>
<td>BSBA</td>
</tr>
<tr>
<td>Real Estate</td>
<td>BSBA, MSRE</td>
</tr>
</tbody>
</table>

Advisement

Office of Professional Development
Assistant Dean: Lynn Becker
BAZ 101; 407-823-3493

The Office of Professional Development (OPD) is the primary office for undergraduate assistance in Career Counseling in the College of Business Administration. Any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Professional Development staff in BAZ 101 or by calling 407-823-2185. Visit OPD’s home page at: http://business.ucf.edu/centers-institutes/offices-professional-development/.

Community/Junior College Transfer Notes

1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and State colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2111), ACG 2071, ECO 2123, ECO 2023, MAC 2233, STA 2233, (or QMB 2101) and STA 2234. At UCF, students who have completed MAC 2233 and STA 2234 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2234, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission to the Primary Core Classes.

2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of "C" (2.0) or higher transfer into the program.

3. It is expected that all incoming transfer students, regardless of intended business major, will upon admission to the university have successfully completed the General Education Program and the Business Common Program prerequisites. Transfer students will attend an orientation session that will provide information regarding university and college policy, program requirements, and college culture.

4. Courses taken at Florida College System institutions do not substitute for upper division courses.

5. Courses transferred must be formally evaluated for equivalency credit. General Education coursework is evaluated for equivalency by Academic Services, while the Business Common Program Prerequisites and all business coursework is evaluated for equivalency by the College. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/state college courses.

7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.
Minors

Flexible Curriculum: Students tailor the program to their individual needs, which will allow them to solve problems they may confront in their jobs and their private lives and provide the analytical skills necessary to be not only a team player, but ideally a team leader. Regardless of a student’s focus, the curriculum will sharpen that student’s skills in problem identification, analysis, and solution. This major can lead to a variety of rewarding careers in management positions throughout the organization. Possible career paths include, but are not limited to, positions in training and development, personnel and employee relations, equal opportunity and labor relations, recruiting and staffing, organizational development, operations, quality assurance, project management. For students interested in starting their own business or working for smaller fast growing organizations, the department’s entrepreneurship offerings will develop the skills needed for that career path.

Interdisciplinary Linkages: Economics provides a solid foundation to link with many other disciplines allowing for a double major in Finance, Real Estate, Mathematics and Political Science.

Teaching quality: Many of the Economics faculty have received Excellence in Teaching Awards.

Student Organizations: The Economics Club is an active student organization linking students to Alumni.

Degrees: Business Economics (BSBA), Economics (BS)

Minors: Economics

Department of Finance and Dr. P. Phillips School of Real Estate

Interim Chair and Director: P. Gregg
BA 409; 407-823-3575

Faculty: Ajayi, Borde, Byrd, Chen, Choi, Curcio, Frye, Gatchev, Gilkeson, Gregg, Ramanial, Smith, Strum, Turnbull, Whyle

The program in finance is designed to provide the student with broad knowledge in finance, including corporate finance, investments (fixed income and equity securities), financial institutions, international finance, risk management and derivatives. The real estate degree includes real estate law, commercial and residential real estate finance, and real estate development.

Distinctive Benefits

- Finance students prepare for career opportunities in corporate finance, banking (commercial, investment and mortgage), investment management, financial planning, multinational business, insurance and government.
- Real estate students prepare for careers in commercial or residential real estate development and finance, or banking related to the real estate industry.
- Students who major in finance or real estate are sought by both financial and non-financial firms.

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

Minors: International Business, Real Estate, Finance

Certificates: Banking, Investments, Corporate Finance, Land Development, Commercial and Institutional Real Estate, Residential Real Estate

Department of Management

Chair: Stephen Goodman
BA 309; 407-823-5569

Faculty: Ambrose, Baz, Becker, Blencowe, Boettcher, Cleavenger, Combs, Connell, Crossley, Dagher, De George, Folger, Ford, Goodman, Harris, Holland, Jarley, Jones, Kutkut, Leo, McKenny, Nichols, O’Donnell, O’Neal, Porter, Quinn, Rains, Rockmore, Saunders, Schminke, Taylor, Viggiano, Wang, Whitley

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations. The curriculum is designed to develop the expertise of all students in a common core of essential management skills and competencies, including human and organizational behavior, teamwork and collaboration, negotiation and conflict resolution, and leadership development. With the proper selection of restricted elective courses available for Management majors, students can gain additional concentration in the area of human resource management, or in the area of entrepreneurship. Students who do not wish to concentrate in these areas can use those restricted electives to gain additional breadth of coverage in a variety of Management topics.

The department’s goal is to emphasize the expertise, knowledge, and skills necessary to be not only a team player, but ideally a team leader. Regardless of a student’s focus, the curriculum will sharpen that student’s skills in problem identification, analysis, and solution. This major can lead to a variety of rewarding careers in management positions throughout the organization. Possible career paths include, but are not limited to, positions in training and development, personnel and employee relations, equal opportunity and labor relations, recruiting and staffing, organizational development, operations, quality assurance, project management. For students interested in starting their own business or working for smaller fast growing organizations, the department’s entrepreneurship offerings will develop the skills needed for that career path.

UNIVERSITY OF CENTRAL FLORIDA
Distinctive Benefits

- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- A “hands-on,” applied focus in our courses.

Degrees: Management (BSBA), Human Resources Management (MS)
Certificate: Entrepreneurship

Department of Marketing
Chair: Ronald E. Michaels
BA2 307; 407-823-2108
http://www.bus.ucf.edu/marketing/

Faculty: Bhardwaj, Desiraju, Gundy, He, Joshi, Krishnamoorthy, Leon, Liu, Mao, Massiah, Mayfield-Garcia, Michaels, Quaintance, Steiger, Stock, Tafaghodijami, Valdez, Wang, Zemack-Rugar

The marketing major provides a superior education in foundation areas such as research, consumer behavior, professional selling, marketing management, and strategy. Our curriculum focuses on building skills in communication, teamwork, critical thinking, analysis, and strategic thinking. Among the things you will learn are how to conduct sales calls, analyze sales and profit reports, prepare marketing plans, and construct marketing strategies. Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, and positions in retail management, sales, market research, and advertising/promotion. The professional selling track prepares students for positions in business-to-business, with the potential to advance into either sales management or marketing management. The curriculum is delivered by highly-talented faculty members and offers you a superior educational experience while at UCF.

The department’s highest visibility offering is the professional selling program (track within the major). Admission to this renowned program is competitive; application and interview are required. Scholarships for this program are available and awarded on a competitive basis. Please see our department website for more details.

A minor in marketing requires 18 hours. This course of study provides a strong basic education in marketing for UCF students with majors other than marketing. Earning a minor in marketing can add significant value and career flexibility for any UCF student with any major. Marketing internships are available (application necessary) and there are several vibrant marketing-related student organizations in which you can participate.

Distinctive Benefits

- Innovative curriculum for marketing majors and minors.
- Renowned Professional Selling Program is offered within the marketing major; application required.
- An 18-hour marketing minor is available for students with majors other than marketing.
- Twenty dynamic faculty members are among the strongest teachers in the College.
- Comprehensive course offerings are available each semester and summer---you can finish!
- Strong emphasis on preparing students for careers in marketing management.
- Approximately 15 scholarships are awarded annually on a competitive basis.
- Opportunities to participate in internships and honors in the major programs.
- Opportunities to participate in student chapters of the Society for Marketing Professional Services, the Ad Club, and the Sales Club

Degrees: Marketing (BSBA)
Tracks: Marketing Management, Professional Selling
Minor: Marketing
Certificates: Professional Selling and Sales Management (for business majors other than marketing)

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Education and Human Performance

Dean: Pamela S. Carroll
ED 308; 407-823-5529
http://education.ucf.edu

Interim Associate Dean for Academic Affairs:
Rose Taylor, 407-823-2016

Assistant Dean for Administrative and Financial Affairs:
Allison Jefferson, 407-823-2835

Interim Executive Director for Research:
J. Thomas Owens, 407-823-0385

Executive Director, Undergraduate Affairs and Partnerships:
Bryan Zugelder, 407-823-3723

The role of the College of Education and Human Performance at the undergraduate level is to provide a high-quality education for teacher candidates in preparation for careers in early childhood, elementary, secondary/K-12, technical education and industry training and students in sport and exercise science professions. The College of Education and Human Performance is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education and Human Performance is the leading source of education baccalaureate degrees in the State of Florida.

Art Education
Early Childhood Development and Education
Elementary Education
English Language Arts Education
Mathematics Education
Science Education
Social Science Education
Sport and Exercise Science
Technical Education and Industry Training
World Languages Education

Success to Significance
- Among America’s Best Colleges of Education
- Invited to join the Carnegie Corporation of New York – Teachers for a New Era
- State program approval and National Accreditation
- Proven and promising practices
- Partnerships with fourteen Central Florida school districts, including the Florida Virtual School
- High quality teacher education programs
- Leadership in reform efforts
- Strength of faculty and students
- Broad influence in higher education community
- Access to cutting edge educational technologies, such as TeachLive
- Opportunities to become involved in professional education organizations
- State-of-the-art facilities
- UCF Teaching Academy
- Toni Jennings Exceptional Education Institute
- Morgridge International Reading Center
- Lockheed Martin Academy for Mathematics and Science
- Supporting Teacher Education Pre-Professionals (STEP) Programs
- Living, Learning Communities
- Teacher Education Assistance for College and Higher Education (TEACH) Grants
- Minority Teacher Recruitment and Retention Program
- Early and continuous field experiences
- Internships with highly qualified teachers
- Infusion of multicultural education, ESOL and technology throughout classes
- Florida Marriage and Family Research Institute
- ESOL Endorsement and Reading Endorsement included with selected teacher preparation programs
- Graduates from state approved initial teacher preparation programs are eligible for professional teacher certification
- Transition to Mathematics and Science Teaching Program (T-MAST)
Admission to the College of Education and Human Performance

Admission to the College will be granted when students meet the following requirements:

- Complete the University General Education requirements or an equivalent (i.e. an AA degree from an approved Florida College System institution or state university).
- Have a minimum 2.5 overall GPA; a minimum 2.75 overall GPA is required for Early Childhood Development and Education.
- Pass all four parts of the General Knowledge Test (GKT). It is highly recommended students take and pass the GKT in the Spring Semester of their Sophomore year. All teacher preparation programs require the GKT.
- Complete the Education and Human Performance Common Program Prerequisites for their major.
- Complete State University Foreign Language Admission requirement: 2 years in high school or 1 year in college of the same foreign language or American Sign Language.
- Complete Gordon Rule Requirement.
- Complete a change of major request to move from education pending to the intended education major upon successful completion of admission requirements.

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida College System institution or state university (i.e. an AA degree from an approved Florida College System institution or state university).

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

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

Office of Undergraduate Affairs and Partnerships

Executive Director: Bryan Zugelder
ED 110, 407-823-3723
http://education.ucf.edu

Located in the Education Complex in Suite 110, the Office of Undergraduate Affairs and Partnerships comprises Undergraduate Affairs, Undergraduate Advising, Recruitment & Retention, Clinical Experiences, and the UCF School & Community Partnership.

Mission Statement

The mission of Undergraduate Affairs and Partnerships is to promote student development and success through collaboration with College of Education and Human Performance faculty, staff, administrators and partners.

Clinical Experiences

Assistant Director: Jodie Nichols
ED 110, 407-823-2518
http://www.education.ucf.edu/clinicalexperience/

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early site-based experiences, as well as internships. Placement of students is the responsibility of the College of Education and Human Performance’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education and Human Performance’s local partnership districts.

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

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

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

Internship I

Internship I is a three semester hour experience. Students are assigned to work with state-defined, qualified supervising teachers. Students are enrolled in additional courses during the experience, outlined in the program listing of the catalog. 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 Human Performance 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 the published deadlines.
- Meet any special departmental or program requirements.
- Be recommended by the faculty of the department of the student’s major.

NOTE: Passing scores on all sections [General Knowledge Test, Professional, and Subject Area] of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.
College of Education and Human Performance

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 advisor. Internship II is a 9-12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II
Admission to Internship II will be granted when students have met the following requirements at the time of application.
■ Successful completion of Internship I
■ Have on file passing scores on all sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional and Subject Area)
■ Possess a minimum overall GPA of 2.5
■ Possess minimum professional preparation GPA of 2.5*
■ Possess minimum specialization GPA of 2.5*
■ Achieve a “C” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas.
■ Complete a formal application for Internship II by the published deadline
■ Be recommended by the faculty of the department of the student’s major
■ Meet any special departmental or program requirements

The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences in schools and districts where there are available placements.

*Some programs may specify a different GPA requirement for admission

Recruitment and Retention Program
Coordinator: Caroline Marrett
ED 110; 407-823-4409
http://education.ucf.edu/mtrrp/

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

Program Objectives
■ Recruit and retain diverse students interested in joining the teaching profession
■ Promote academic excellence and foster professional development
■ Provide service learning opportunities
■ Encourage community engagement

Scholarship Requirements
Students must meet the following criteria:
■ Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
■ Be a Florida resident
■ Be admitted into the UCF College of Education and Human Performance as a degree-seeking undergraduate student
■ Minimum semester and overall grade point average of 2.5
■ Must be enrolled full-time
■ Submit Scholarship Application by the deadline
■ Complete 20 hours of community service for each semester the scholarship is received

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

Undergraduate Advising
Director: Undergraduate Affairs: Andrea Small
ED 110; 407-823-3723

The Undergraduate Advising office assists students with orientation, registration information, general academic advisement, college and university academic requirements and graduation certification. Students are encouraged to make an early appointment with an academic advisor. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in appointments and advising sessions. Information regarding majors offered by the College of Education and Human Performance can be obtained in the Office of Undergraduate Affairs and Partnerships or at http://education.ucf.edu/ugrad/. Admission to the University of Central Florida does not imply admission to the College of Education and Human Performance. Students will be allowed to enroll in 3000/4000 level courses taught by the College of Education and Human Performance after they have been admitted to the College.

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

Note: Effective January 1, 2015, only FTCE examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

Professional Development School Consortium
Executive Director: Bryan Zugelder
ED 110; 407-823-3723

The Professional Development School Consortium is a network of the university and local schools, and is based on the National Association for Professional Development School standards. National, award-winning PDS school efforts demonstrate impact on pre-service and in-service initiatives.

Department of Child, Family, and Community Sciences
Chair: Glenn Lambie
ED 209-E; 407-823-6106
Faculty/Academic Administrator: Brenda Thompson
ED 206-E 407-823-6579


The Department of Child, Family, and Community Sciences (CFCS) offers both undergraduate and graduate programs related to careers in school settings and community agencies. The programs offered include: Career and Technical Education; Counselor Education & School Psychology; Exceptional Student Education; and Higher Education & Policy Studies. See individual program websites and the graduate catalog for additional details. You can start by going to the department’s website: http://education.ucf.edu/cfcs.

Department of Educational and Human Sciences
Chair: Jay R. Hoffman
ED 209-B; 407-823-1272
Faculty Administrator: TBA
http://education.ucf.edu/academics_departments.cfm#Department of Educational and Human Sciences


The Department of Educational and Human Sciences (EHS) offers courses and programs to prepare students in areas of Instructional Design & Technology; Research, Measurement & Evaluation; as well as Sport & Exercise Science. The EHS Department has one bachelor’s level program: Sport and Exercise Science. Students majoring in Sport and Exercise Science B.S. can add any one of the following areas: Coaching, Human Performance, or Community Sport & Fitness. The Department also offers a number of graduate programs and provides graduate courses in educational research, measurement and statistics
that are required courses or electives in a number of programs offered in other divisions in the college. In addition, the EHS Department offers both a Coaching and a Fitness Training Minor.

**School of Teaching, Learning and Leadership**

**Director:** Michael Hynes  
**ED 209-D; 407-823-1768**  
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning, and Leadership

**Faculty Administrators and Coordinators:**  
Lindsay Archambault  
**ED 206-F; 407-823-2881**  
Maria Cox  
**ED 206-D; 407-823-1763**  
Melissa Feyer  
**ED 209-F; 407-823-0303**  
Janet Zajac  
**ED 223H, 407-823-0523**


The School of Teaching, Learning and Leadership prepares candidates to work in a variety of school and community settings, in the areas of Elementary Education (including Early Childhood Development and Education*), Secondary Education and Educational Leadership. The Elementary Education program has a track designed for prospective teachers interested in working with students in formal K-6 schools that require certification (Education Track) and another track for students interested in working outside of formal K-6 schools that do not require certification (Lifelong Learning Track). Upon completion of the Elementary Education – Education Track, candidates are eligible for Florida teacher certification, including ESOL and Reading Endorsements. Secondary Education programs are designed for prospective teachers interested in working with students in a specific content area, either in formal 6-12 schools that require certification (Education Track) or outside formal K-12 schools that do not require certification (Lifelong Learning Track). Preparation includes special training in Biology, Chemistry, English (with ESOL Endorsement), Mathematics, Physics, or Social Science Education. Programs are available in K-12 areas, such as Art Education, Reading Education, and World Language Education (French or Spanish). The Educational Leadership master’s programs provide the theoretical and conceptual knowledge base required for the principalship in Florida and other states. Ed.S. and Ed.D. students have advanced academic and practical experiences preparing them for leadership roles at the school district level, including the superintendent.

*Early Childhood Development and Education: Early Childhood Careers is an A.S. to B.S. program restricted to students graduating with an A.S. in Early Childhood Education from Seminole State College that will prepare individuals to work with infants, toddlers, and families in early childhood settings.

**Program Academic Learning Compacts** (student learning outcomes) for undergraduate programs in the College of Education and Human Performance are located at:  
http://oeas.ucf.edu/academiclearningcompacts.html
College of Engineering and Computer Science

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

Associate Dean for Academic Affairs: Charles Reilly
ENG1 107; 407-823-2455

Associate Dean for Research and Administration:
Ranganathan Kumar; ENG2 202; 407-823-2156

Director, Academic Affairs: Kim A. Small
ENG1 107; 407-823-2455

 Associate Dean for Academic Affairs: Charles Reilly
ENG1 107; 407-823-2455

Director, College Honors Programs: Charles Reilly
ENG1 107; 407-823-2455

Director, Diversity and Inclusion: Ola Nnadi
ENG1 281; 407-823-3466

Undergraduate Majors and Degrees

- Aerospace Engineering: BSAE
- Civil Engineering: BSCE
- Computer Engineering: BSPE
- Computer Science: BS
- Construction Engineering: BSConE
- Electrical Engineering: BSEE
- Environmental Engineering: BSSE
- Industrial Engineering: BSIE
- Information Technology: BS
- Mechanical Engineering: BSME

Accelerated BS/MS Degree Program

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

College Mission Statement

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

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

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of five engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Industrial Engineering and Management Systems (IEMS) Department, Material Sciences and Engineering (MSE) Department, and the Mechanical and Aerospace Engineering (MAE) Department. The Department of Electrical Engineering and Computer Science offers degree programs in Computer Science, Information Technology, Electrical Engineering, and Computer Engineering. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master's degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, http://www.abet.org. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, http://www.abet.org.

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, as well as visits to local and regional industries and to governmental and military research facilities.

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

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and have taken at least 24 credit hours that do not have the equivalent of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs. These six credit hours consist of an Honors Seminar and 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.
2. A minimum GPA of at least 3.20 in all upper division credit hours.
3. A minimum GPA of 3.50 or more in the Engineering option courses.
4. A 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 of 3.5 GPA in the option courses, and minimum of 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering, Computer Science mention on the diploma and transcript, representing satisfactory completion of the program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Dr. Charles Reilly, Engineering 1, Room 107. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

The LEAD Scholars Program in the College of Engineering and Computer Science

Engineering and computer science students may also participate in the LEAD (Leadership Enrichment and Academic Development) Scholars Program (see the section on the LEAD Scholar Program found elsewhere in this catalog).

Additional Information on UCF Baccalaureate Engineering and Computer Science Programs

Information on each UCF engineering, computer science, and information technology program follows, and more current information on the departments can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog. Information on the Photonics Science and Engineering program offered jointly with the College of Optics and Photonics may be found in the section about that college.

Department of Civil, Environmental, and Construction Engineering

Chair: Mohamed Abdel-Aty
ENG 211; 407-823-2841
http://www.cecs.ucf.edu

Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Duranceau, Eluru, Filler, Kibler, Lee, Mackie, Makris, Nam, Nnadi, Oloufa, O’Riordan-Adjah, Radwan, Randall, Reinhart, Singh, Tatari, Wang, Whittaker, Yun, Zaurin

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

The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a Project Design and Capstone Course, which synthesizes various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real world engineering problems. The students typically work in small design team groups. The prerequisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. Attain prominence in key areas of Civil Engineering graduate education and research.

Program Educational Objectives

Within the first several years following graduation, graduates should:

- Be successfully employed or employable in civil engineering practice in areas such as structural, geotechnical, transportation, construction, water resources, or related fields and/or be 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.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.

b. An ability to design and conduct experiments, as well as to analyze data and interpret data.

c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
processes, construction project planning and control, and resource

The Construction Engineering major is concerned with preparing

The Construction Engineering Program

The Construction Engineering Program Faculty strives to create a

The Environmental Engineering Program

The Environmental Engineering major is concerned primarily with the

Environmental Engineering students are required to take a Project

The student shall meet all individual requirements for each

The Construction Engineering Program

The Construction Engineering Program Faculty strives to create a

Mission

The Construction Engineering Program Faculty strives to create a

Program Educational Objectives

Program Educational Objectives

Student Outcomes

Student Outcomes

Student Outcomes

The coursework must include two different design courses, one

Completion of requirements for both degrees must be in the

Department Policy for Double Degree in Civil, Environmental, and Construction Engineering

Department Policy for Double Degree in Civil, Environmental, and Construction Engineering

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, Environmental, and Construction Engineering programs can be found on the CECE Department home page at http://www.cece.ucf.edu.

UNIVERSITY OF CENTRAL FLORIDA
Additional notes:
- The extra hours represent at least one additional semester of full time enrollment.
- All majors completed will be indicated on the student’s transcript.

Civil Engineering Major Pursuing Environmental Engineering Additional Degree
Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: A Biological Science (3hrs), CHM 2046C (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), and an Environmental Design course (3hrs). Students will have completed an Earth Science as part of the GEP requirements and CHM 2045C, CWR 4633C, and ENV 4561 as part of Civil Engineering requirements.

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

Environmental Engineering Major Pursuing Civil Engineering Additional Degree
Students will need to complete a minimum of 150 credit hours which will include the 26 additional hours to earn a Bachelor of Science Civil Engineering degree in addition to the Bachelor of Science Environmental Engineering degree. The additional courses are: CGN 3801C (3hrs), CGN 3700C (4hrs), TTE 3810 (3hrs), CES 4100C (4hrs), CES 4605 (3hrs), CES 4702 (3hrs), CEG 4012 or TTE 4274 (3hrs), and a Civil Design course (3hrs). Students will have completed CWR 4633C and ENV 4561 as part of the Environmental Engineering requirements.

Department of Electrical Engineering and Computer Science

Computer Science Division
Chair: Gary T. Leavens
HEC 437D; 407-823-5373

Faculty: Abdallah, Angel, Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Dechev, Deo, Forooosh, Glinos, Gonzalez, A.Guha, R. Guha, Heinrich, Hu, Hua, Hughes, Jha, Lang, LaViola, Leavens, Llewellyn, Marinescu, Montagne, Nedorost, Orooji, Pattanaik, Qi, Shah, Stanley, Sukthankar, Turgut, Wocjan, A. Wu, Zhang, Zhou

The Computer Science Program
The Computer Science (CS) program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition to the bachelor’s degree programs, the division offers minors in Computer Science, Information Technology, and Secure Computing and Networks.

The goal of the CS degree program is to educate students to become effective team members and leaders, to have excellent communication and technical skills, and to prepare them for successful professional careers and advanced research. The program strives to achieve these goals by producing graduates with a broad base of formal coursework. Students may use restricted elective credit to concentrate their degree in one of many research areas, including artificial intelligence, bioinformatics and systems biology, computer architecture, computer graphics, computer security, computer vision, database systems, design and analysis of algorithms, distributed and cloud computing, evolutionary computing, graph theory, human-computer interaction, image and video processing, machine learning, mixed and virtual reality, multi-agent systems, networking and mobile computing, neural networks, operating systems, parallel computation, software engineering, theory of computing, quantum computing, and virtual reality.

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

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 systems technology, and for a lifetime of learning.

Program Educational Objectives
1. CS graduates participate as effective and productive team members or team leaders in the development of large computer and software systems covering a broad range of engineering and scientific applications in their chosen careers.
2. CS graduates demonstrate the knowledge and skills to do advance studies and research in computer science and related engineering and scientific disciplines.

Student Outcomes
a. 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.
b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
c. Design, implement and evaluate a computer-based system, process, component, or program to meet desired needs and budget, by applying best practices in software development processes, methods, and tools.
d. Function effectively on teams to accomplish a common goal.
e. Demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
f. Communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing technology and its applications.
g. Analyze the local and global impact of computing on individuals, organizations and society.
h. Recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
i. Use current techniques, skills, and tools necessary for computing practices.
j. Apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complexity analysis, in the modeling and design of computer-based systems in a way that demonstrates comprehension of the trade-offs involved in design choices.
k. Apply design and development principles in the construction of software systems of varying complexity.
l. Demonstrate their knowledge of, and ability to apply, programming fundamentals in at least three programming languages.
m. Demonstrate their knowledge and understanding of, and their ability to apply the concepts and design principles relating to: data structures, computer architecture and organization, programming languages, operating systems, and networks.

The Information Technology Program
The Information Technology (IT) program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer software, hardware, 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 server design. The program provides students a strong conceptual core, which will prepare students to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in programming, technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to communicate in the parable of the industries in which they choose to work.

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.
Program Educational Objectives
The objectives of the Information Technology Program at UCF are that:
1. Graduates demonstrate the technical competence necessary for careers in information technology as well as in a wide variety of disciplines that integrate information technology into their respective fields of activity.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Student Outcomes
By graduation each student should be able to:
a. Apply knowledge of computing and mathematics appropriate to the discipline.
b. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
c. Design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
d. Function effectively on teams to accomplish a common goal.
e. Understand professional, ethical, legal, security and social issues and responsibilities.
f. Communicate effectively with a range of audiences.
g. Analyze the local and global impact of computing on individuals, organizations, and society.
h. Recognize the need for and an ability to engage in continuing professional development.
i. Use current techniques, skills, and tools necessary for computing practice.
j. Use and apply current technical concepts and practices in the core information technologies.
k. Identify and analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems.
l. Integrate IT-based solutions effectively into the user environment.
m. Understand best practices and standards and their application.

The Electrical and Computer Engineering Division
Chair: Zhihua Qu
HEC 433C; 407-823-5942
Faculty: Abdolvand, Abichar, Atia, Batarseh, Behal, Chan, DeMara, Edison, Elashhab, Fahim, Georgiopoulos, Gong, Haralambous, Jin, Jones, Lin, Liou, Malochia, Mikhail, Qu, Rahnava, Richie, Smaan, Suboh, Sundaram, Vosoughi, Wahid, Wang, Weaks, Wei, T. Wu, Yuan

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

The curriculum provides an integrated experience including humanities and social sciences, mathematics and basic sciences, engineering core, computing, and design experience. The laboratory experiences appropriately combine theory and practice in the Electrical and Computer Engineering programs through a logical progression of courses. Design experiences start with the first circuits course, EEL 3004C, and progress to the senior design capstone courses. This senior design experience is a two-semester sequence totaling six credit hours. Aspects of engineering economics, administration, and participating in training opportunities.

The Computer Engineering Program
The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed below. Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission
The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Program Educational Objectives
The objectives of the CPe Program at UCF are that:
1. Graduates will establish a successful employment position with increasing responsibilities in the areas of computer engineering.
2. Graduates will pursue advanced studies in the areas of computer engineering.
3. Graduates will pursue advanced studies in the areas of computer engineering.

Student Outcomes
Graduates of the Computer Engineering program should attain:
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.

The Electrical Engineering Program
The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3352C), Embedded Systems (EEL 4742C), Networks and Systems (EEE 3323C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/energy electronics.

Mission
The mission of the Electrical Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Program Educational Objectives
The objectives of the EE Program at UCF are that:
1. Graduates will establish a successful employment position with increasing responsibilities in the areas of electrical engineering.
2. Graduates will pursue advanced studies in the areas of electrical engineering.
3. Graduates will demonstrate the pursuit of life-long learning in their areas of interest, including membership in professional societies, and participating in training opportunities.

Student Outcomes
Graduates of the Electrical Engineering program should attain:
a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

The 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.

Department of Electrical Engineering and Computer Science Policies and Procedures

The Department’s website (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 email and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowski
ENG2 312; 407-823-2204; Fax: 407-823-3413

Faculty: Biehl, Calabrrese, Elshenawy, Hoeokastra, Karwowsi, Kotnour, Lee, McCauley, Mollaghsemini, Proctor, Rabelo, Reilly, Thomp-son, Xanthopoulos, Zheng

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3314, to design experiments and layout in EIN 4364. The design experience concludes with a real-world system design in the capstone course 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 careers in leading private and public organizations, pursue advanced studies, or start up their own businesses.

2. To provide employers with graduates who are technically competent, have fundamental knowledge of management and interpersonal skills, and ability to professionally grow and develop their careers.

3. To provide society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Program Educational Objectives

Within the first several years following graduation, Graduates should:

1. Be successfully employed in challenging or satisfying positions in the public or private sector.

2. Achieve professional growth through participation in advanced studies at the graduate level and/or career development activities.

3. Show a commitment to industrial engineering as a global service profession and practice with integrity, honesty, and objectivity.

Student Outcomes

a. Students will have an ability to apply knowledge of mathematics, science, and engineering.

b. Students will have an ability to design and conduct experiments, as well as to analyze and interpret data.

c. Students will have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.

d. Students will have an ability to function on multidisciplinary teams.

e. Students will have an ability to identify, formulate and solve engineering problems.

f. Students will have an understanding of professional and ethical responsibility.

g. Students will have an ability to communicate effectively.

h. Students will have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental and societal context.

i. Students will have a recognition of the need for, and an ability to engage in life-long learning.

j. Students will have a knowledge of contemporary issues.

k. Students will have an ability to use the techniques, skills and modern engineering tools necessary for engineering practice.


Department of Materials Science and Engineering

Interim Chair: Sudipta Seal
ENG1 207; 407-882-1455; Fax: 407-882-1462

Faculty: An, Coffey, Fang, Seal, Sohn, Vaidyanathan

The Department of Materials Science and Engineering currently offers undergraduate materials science and engineering courses for students in Mechanical and Aerospace Engineering programs. The department houses interdisciplinary programs with core courses leading to the Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Materials Science and Engineering. Materials Science and Engineering provides a broadly-based foundation in nano/microstructure, processing and manufacturing, 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 3314, to design experiments and layout in EIN 4364. The design experience concludes with a real-world system design in the capstone course EIN 4891.

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Program Educational Objectives

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1. Be successfully employed in challenging or satisfying positions in the public or private sector.

2. Achieve professional growth through participation in advanced studies at the graduate level and/or career development activities.

3. Show a commitment to industrial engineering as a global service profession and practice with integrity, honesty, and objectivity.

Student Outcomes

a. Students will have an ability to apply knowledge of mathematics, science, and engineering.

b. Students will have an ability to design and conduct experiments, as well as to analyze and interpret data.

c. Students will have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability and sustainability.

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Department of Materials Science and Engineering

Interim Chair: Sudipta Seal
ENG1 207; 407-882-1455; Fax: 407-882-1462

Faculty: An, Coffey, Fang, Seal, Sohn, Vaidyanathan

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Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging careers in leading private and public organizations, pursue advanced studies, or start-up their own businesses.

2. To provide employers with graduates who are technically competent, have fundamental knowledge of management and interpersonal skills, and ability to professionally grow and develop their careers.

3. To provide society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.
Focus as life-long learners, pursuing their personal and professional development to rise to positions of prominence in the technical society of tomorrow.

The department further will serve as the focal point and catalyst for the development of high quality, coordinated and visionary research and educational programs for the materials-oriented students and faculty throughout UCF.

Department of Mechanical and Aerospace Engineering

Chair: Yoav Peles
ENG1 307; 407-823-2416; Fax: 407-823-0208


The Department of Mechanical and Aerospace Engineering offers undergraduate degree programs in Aerospace Engineering and Mechanical Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance. The Mechanical Engineering program is designed to provide a broadly-based foundation in mechanical systems and thermos-fluids, including topics such as structures and properties of materials, solid mechanics, dynamics and controls, vibrations, CAD/CAM/FEM, fluid mechanics, and heat transfer. Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and design optimization which culminate in the senior capstone design courses. The use of computer tools and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering

In support of the University and College, the mission of the Aerospace Engineering program is to provide the highest quality engineering education through cooperative efforts with regional aerospace industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the aerospace engineering field. Our graduates will be trained to be competitive in their role as aerospace engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives

1. Graduates will meet the expectations of employers of mechanical engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multidisciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in, life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Mission: Mechanical Engineering

In support of the University and College, the mission of the Mechanical Engineering program is to provide the highest quality engineering education through cooperative efforts with regional industry and to propagate methods for the design, analysis, and implementation of the principles and practices particular to the mechanical engineering field. Our graduates will be trained to be competitive in their role as mechanical engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be supplied with skills necessary to achieve life-long learning and to pursue their personal and professional development upon completing the program. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Program Educational Objectives

1. Graduates will meet the expectations of employers of mechanical engineers.
2. Graduates will undertake leadership roles in their communities and/or professions.
3. Qualified graduates will pursue advanced study, if they so desire.

Student Outcomes

a. An ability to apply knowledge of mathematics, science, and engineering.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
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i. A recognition of the need for, and an ability to engage in, life-long learning.
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k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Department Policy for Double Degree in Mechanical and Aerospace Engineering

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

- The student shall meet all major requirements for each degree.
- Additional 22 credit hours beyond the major courses for the double degree shall be upper level engineering related course work approved by the department.
- The same catalog year must be used for both degrees.
- The student must have a minimum of 150 credit hours.

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

Aerospace Engineering Major Pursuing Mechanical Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Mechanical Engineering degree in addition to the Bachelor of Science Aerospace Engineering degree. The additional courses are: Must take EML 3500: Design and Analysis of Machine Components. Students must select 2 courses from the following 5 options: EML 3101: Thermodynamics of Mechanical Systems (3hrs) or EML 4504: Design and Analysis of Machine Components II (3hrs), or EML 4313: Intermediate Dynamics.
and Controls (3hrs), or EML 4143: Heat Transfer II (3hrs), or EML 4703: Fluid Mechanics II (3hrs). Must select 1 course from the following 2 options: EML 4306C: Energy Systems Lab (3hrs), or EML 4301C: Mechanical Systems Laboratory (3hrs) and complete 10 credit hours of Approved Departmental Technical Electives.

Mechanical Engineering Major Pursuing Aerospace Engineering Additional Degree

Students will need to complete a minimum of 150 credit hours which will include the 22 additional hours to earn a Bachelor of Science Aerospace Engineering degree in addition to the Bachelor of Science Mechanical Engineering degree. The additional courses are: EAS 3101: Fundamentals of Aerodynamics (3hrs), EAS 3810C: Design of Aerospace Experiments (3hrs), EAS 4200: Design and Analysis of Aerospace Structures (3hrs), EAS 4105: Flight Mechanics (3hrs), EAS 4134: High-Speed Aerodynamics (3hrs), EAS 4300: Aerothermodynamics Propulsion Systems (3hrs) and 4 credit hours of Approved Departmental Technical Electives.

Reserve Officer Training Corps

Air Force ROTC (Aerospace Studies)

Chair: Colonel Lance Kildron
Classroom II/ROTC, Room 221; 407-823-1247, Fax: 407-823-2265

Faculty/Staff: Lt. Col. David Schiffert, Major Jerry Hallett, Major Craig LaBreque, Technical Staff Sergeant Justin Tiffin, Staff Sergeant Brianna Horton, and Mrs. Ellen McDade, Office Manager

The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the Air Force. Currently, AFROTC primarily commissions officers for Active Duty with limited Reserve commissioning opportunities. The department offers three-year, three and a half-year, and four-year, Air Force ROTC programs. Students enrolled in SEGAF qualified technical and non-technical majors are permitted five years to complete the AFROTAC program. Students seeking to earn an Air Force commission participate in mandatory classroom academics and physical conditioning from the start of AFROTC until graduation/commissioning. The Department of Aerospace Studies also offers a “Cross-Town” program allowing local community college students to begin the Air Force ROTC program while dual enrolled in a designated college for their undergraduate degree classes and at UCF as a non-degree seeking student for their Air Force ROTC classes and activities. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant may be considered for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotac.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, space, and cyber power into a prime element of American national security. Full or partial GMC credit for prior service, and other past experiences are not guaranteed and are granted on a case-by-case by the Professor of Aerospace Studies.

2. Professional Officer Course (POC)
   The Professional Officer Course is designed to develop and hone managerial and officer skills during a cadet’s junior and senior years. All cadets who seek a commission through the Air Force ROTC must complete the 2-year POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.

Requirements for entry into the POC:

- Be at least 17 years of age at the time of entry.
- Be a U.S. citizen. Dual citizens must be willing to renounce other Non-US citizenship, if requested or if mandatory.
- If entering Flight Training, complete the POC and all degree requirements prior to reaching age 29, or
- If entering a non-flying Air Force specialty, complete the POC and all degree requirements before age 30 (waverable to age 35).
- Pass the Air Force Officer Qualifying Test (AFOQT).
- Pass an Air Force medical examination (DoDMERB).
- Pass the Air Force Physical Fitness Assessment (PFA) and meet Air Force BMI criteria.
- Achieve a cumulative GPA of 2.5 or higher.
- Be selected by the Professor of Aerospace Studies.
- Successfully complete a summer Field Training course.
- Qualify to contract (enlist) in the United States Obligated Reserve. Section (ORS) to certify agreement to complete the POC and to accept an Air Force Commission, if offered. This contract (enlistment) is terminated upon acceptance of a commission.

Leadership Laboratory

Leadership Laboratory is 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.

Physical Conditioning

In addition to attending Leadership Laboratory, students enrolled in the Air Force ROTC program must also participate in physical conditioning. Physical conditioning is conducted on the UCF campus at least two days each week.

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 can provide for full tuition and fees including an allowance for textbooks. Air Force ROTC scholarships do not provide funds for room and board expenses. For additional information on Air Force ROTC call 407-823-1247 or visit our website at http://airforce.ucf.edu or email us at AFROTC@ucf.edu. This information is subject to change.

Monetary Allowance

All scholarship and contract cadets receive a monthly, tax-free monetary allowance (stipend) and an annual textbook allowance. The stipend amount is based on the cadet’s academic classification. See http://www.afrotac.com for current rates.

Summer Training

All students must complete a 24-day summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL (usually between the sophomore and junior years) prior to their enrollment in the POC. This course includes junior officer training, officer career orientation, physical conditioning, and training for operations from austere forward deployed locations.

Officer Commissioning

Students who complete the POC are appointed as Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Obligations are explained by detachment officers in detail during one-on-one counseling sessions conducted with each candidate.

Army ROTC (Military Science)

Chair: LTC Mario Johnson
Classroom II/ROTC Room 321; 407-823-2430; Fax: 407-823-5324 http://army.ucf.edu

Faculty/Staff: MAJ Barajas, MSG McSwain, CPT Lehman, CPT Silva, SFC Owen, SFC Flanagan, SSG Farrell, SFC Reyes, John Gano, Kenton Stenrose, Reinaldo Morales, Lisa Brown, George Leonard, Veronica Hill, and Bettina Baca

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

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

1. Basic Military Science
A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. The courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are no-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001C, MSL 1002C, MSL 2101C, MSL 2102C). Students will also participate in a Leadership Development Training Exercise (LDTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.
B. Requisites for admission to the Basic Course:
- Enrollment in a Baccalaureate or Master’s degree program
- Full-time student status

2. Advanced Military Science
A. The Advanced Military Science courses (MSL 31201C, MSL 3202C, MSL 4301C, MSL 4302C) consists of four semesters of classroom instruction of two hours each week and a two hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students desiring to enroll in the Advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet pre-requisite requirements to contract and must obtain permission from the department chair (Professor of Military Science) through an interview process, prior to participating in the advanced course. They must also successfully complete a 32-day Cadet Leaders Course at Fort Knox, Kentucky, normally between their junior and senior years.
B. Requisites for Admission to the Advanced Course:
- Successful completion of Basic Course or placement credit.
- Must be at least 17 years of age at the time of entry but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34).
- Successful completion of an Army physical examination.
- Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer.
- Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours).
- US Citizen.
- A minimum cumulative GPA of 2.8 is required for STEMS and 3.2 for any other majors is required to contract as a non-scholarship cadet, and a minimum cumulative GPA of 3.0 is required for scholarship consideration.

3. Monetary Allowance
All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450 during the Junior year and $500 during the Senior school year.

4. Scholarships
Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. Placement Credit
Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders Training Course (see below). Placement credit for prior service is extended to include Active duty, Reserve Forces and National Guard. Although prior service and Junior ROTC waives the Basic Course, a student that qualifies for placement credit may elect to enroll in the Basic Course.

6. Daytona Beach Campus Students
These students should contact the Professor of Military Science at Embry-Riddle Aeronautical University, Daytona Beach, Florida, 904-239-6469. Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

Summer Training Courses
1. Basic Course Summer Training (Cadet Initial Entry Training)
Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $600.00 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 during 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. Cadet Leaders Course (CLC)
All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Knox, Kentucky, prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. CLC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend CLC the summer following their junior year and receive approximately $800 pay for the training.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at: http://oeas.ucf.edu/academiclearningcompacts.html
College of Health and Public Affairs

Dean: Michael L. Frumkin
HPA1 365, 407-823-0171
http://www.cohta.ucf.edu

Associate Dean, Academic Affairs and Technology: Ross Wolf
HPA1 365; 407-823-0171

Associate Dean, Administration and Faculty Affairs: Dawn Oeljen
HPA1 365, 407-823-0171

Associate Dean, Research: Thomas Wan
HPA1 219; 407-823-0171

Associate Dean, Student/Personnel Affairs: Melvin Rogers
HPA1 365; 407-823-0171

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

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary Ph.D. program in Public Affairs.

General Requirements for the Bachelor's Degree

Some programs in the College are limited access or restricted. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the programs in Athletic Training and Health Informatics and Information Management. Separate application must be made to the appropriate program. Additional information regarding prerequisites and admission requirements may be found in this catalog.

Academic Advisement

Undergraduate Student Services
Director: Mariangelly Rente
HPA2 115, 407-823-0010
Email: hpainfo@ucf.edu

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

Programs and Degrees

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<tr>
<td>Criminal Justice</td>
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<tr>
<td>Health Sciences - Pre-Clinical Track</td>
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<tr>
<td>Urban and Regional Planning</td>
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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 provide the necessary background for those who seek careers in health and human services; and 3) to allow those who graduate with a Bachelor’s degree required coursework to obtain licensure and employment as speech-language pathologists assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers courses in American Sign Language and related topics.

**Degrees:** Communication Sciences and Disorders (BA, BS, MA) in Education, Communication Sciences and Disorders Track

**Tracks:** None

**Minors:** Communication Sciences and Disorders

**Certificates:** Language Development and Disorders

### Department of Criminal Justice

**Interim Chair:** Roberto Potter  
HPA1 311 407-823-2603

**Faculty:** Adams, Bohm, Craig, Eastep, Fisher, Flint, Ford, Gau, Henderson, Holmes, Humiston, Lucken, Mahan, Malendevych, Matusiak, Moreto, Paoline, Potter, Randall, Rhyne, Rosky, Ross, Sanborn, Surette, Watkins, Winton, Wolf

The Department of Criminal Justice houses the undergraduate degree program in Criminal Justice. Criminal Justice is a problem-based field of study that focuses on the nature of crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service and private sector organizations. The Criminal Justice Department offers diverse courses and internships, leading to careers in the field, or preparation for graduate study. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society.

**Degrees:** Criminal Justice (BA, BS, MS, PhD)

**Tracks:** Scholars Track

**Minors:** Criminal Justice

**Program:** Senior Scholar Program

**Certificates:** Crime Analysis and Crime Mapping, Criminal Profiling, Security Management, Victim Advocacy and Crime Scene Investigation

### Department of Health Management and Informatics

**Interim Chair:** Reid Oetjen  
HPA2 210; 407-823-2359

**Faculty:** Chisholm, Cortelyou-Ward, Falen, Liu, Malvey, Noblin, D. Oetjen, R. Oetjen, Raffenaud, Ramirez, Robertson, Rotarius, Sampson, Ton, Unruh, Walden, Wan, Wessel, West

The Department of Health Management and Informatics in the College of Health and Public Affairs at the University of Central Florida is a global leader in the areas of health administration and informatics and is devoted to being the premier provider of: globally focused faculty research; quality education; and community commitment; all of which are enhanced by the diversity of its faculty, staff and students. In order to realize this mission the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

#### Program in Health Services Administration

The Bachelor of Science in Health Services Administration program is an upper-division professional curriculum that focuses on the managerial side of the health care industry. The program curriculum is designed to provide students with the necessary industry knowledge and job skills needed by entry-level managers in a variety of health care organizations. Program graduates are prepared for entry-level management positions in all types of health care organizations, including hospitals, ambulatory care centers, medical group practices, long-term care facilities, and home health care agencies. This program will also prepare students for study in advanced degrees in Health Services Administration or related disciplines.

The program attracts a diverse student population interested in health care management. Students without a background in the health care industry are attracted to this major and are able to build a foundation in health services administration in order to enter the industry. Some students who enter the program have clinical work experience such as respiratory therapists, emergency medical technicians, radiographers and medical laboratory technologists. While, students may hold an A.S. degree or a nationally recognized license.

The core requirements of the program have course work in areas such as health care systems, finance, administration, research, terminology, law, ethics and economics. In addition, students are encouraged to take additional elective courses that will enhance their background in the health care industry. Participation in an internship is also required. All core courses are offered as web-based as well as face-to-face.

The Bachelor of Science in Health Services Administration program is fully certified by AUPHA-The Association of University Programs in Health Administration.

#### Program in Health Informatics and Information Management

Health information managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance 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 for August admission and October 1 for January admission. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
The Department of Health Professions offers a doctoral program in Physical Therapy, a baccalaureate program in Athletic Training, a baccalaureate program in Health Sciences, and a minor in Health Sciences.

Program in Athletic Training
This is a competitive program that requires a separate application process following acceptance into the University. The program in athletic training at the University of Central Florida is a six semester program where students complete full-time coursework while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of a preceptor. These local affiliation sites include, but are not limited to, high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to apply to take the Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

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

Program in Health Sciences Pre-Clinical Track
The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including, but not limited to: medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs requiring two years of medicine, physical therapy, or physician assistant require a GPA of at least 3.0.

Degrees: Health Sciences (BS)
Tracks: Health Sciences and Pre-Clinical
Minors: Health Sciences

School of Public Administration
Director: Mary Ann Feldheim
HPA 238: 407-823-2604


The School of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management, urban and regional planning, emergency management and homeland security. 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 School prepares students for professional careers in public service at the city, county, state and federal levels in nonprofit organizations and private organizations that provide services for government. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degree in Public Administration enables students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master’s of Public Administration (MPA), the Master’s of Nonprofit Management (MNM), the Master’s of Science in Urban and Regional Planning (MSURP), or the Master’s of Research Administration (MRA). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

Degrees: Public Administration (BA, BS, MPA), Nonprofit Management (MNM), Research Administration (MRA), Urban and Regional Planning (MSURP)
Tracks: None
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Nonprofit Management leading to National Certification by the Nonprofit Leadership Alliance
Certificates: Nonprofit Management

School of Social Work
Director: Bonnie Yegidis
HPA 204: 407-823-2114

Faculty: Brown, Burg, Chapple, Dillon, Dziegielewski, Gammonley, Gryglewicz, Hall, Jacinto, Kohn, Lawrence, Leon, Mann, Mazany, Molina, Steen, Wharton, Withers, Yegidis

The UCF School of Social Work BSW Program (undergraduate social work program) prepares generalist social work students to become practitioners who promote optimal well-being, human rights, and social and economic justice. The school focuses on social change from a regional and global perspective with individuals, families, and communities in diverse practice settings. Today social workers are continuing their efforts in healthcare facilities, mental health centers, schools, substance abuse programs, neighborhood centers, housing, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

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

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

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://o eas.ucf.edu/academiclearningcompacts.html

Department of Legal Studies
Chair: James Beckman
HPA 343: 407-823-1670

Faculty: Bast, Beckman, Consolo, Cook, Fiesta, Fromang, Koblasz, Meltzer, Milton, Pons, Ravich, Schmidt, Scott, Slaughter, Wood

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The Legal Studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Sciences in Legal Studies. The department houses Phi Alpha Delta (the Legal Studies professional society), the UCF Mock Trial Team and the UCF Moot Court teams.

Degrees: Legal Studies (BA, BS)
Minors: Legal Studies
College of Medicine

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

Director, Burnett School of Biomedical Sciences: Griffith Parks
COM 313J; 407-266-1101
Associate Dean for Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
HPA2 335C; 407-823-5932

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

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

The Burnett school is educating over 2,800 undergraduate majors in the biomedical sciences including Biomedical Sciences (also including Biomedical Sciences Pre-professional concentration), Biotechnology, and Medical Laboratory Sciences. The Biomedical Sciences BS also offers two tracks within the major: Molecular Microbiology and Molecular and Cellular Biology. BSBS also offers master’s degrees in Biomedical Sciences and in Biotechnology, as well as an interdisciplinary doctoral degree in Biomedical Sciences. The current graduate enrollment is approximately 120 masters and doctoral students. The college also offers an M.D. program at the new facilities. The M.D. program enrolled its first class in August 2009 and will annually increase the number of admitted students to a level that will produce 120 medical graduates each year. The current enrollment is approximately 420 M.D. students.

In addition to multiple facilities on the main Orlando campus, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students. Advising for undergraduate programs is located in HPA II room 335.

Programs and Degrees

<table>
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<tr>
<th>Program</th>
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<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Ph.D., Minor</td>
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<tr>
<td>(Pre-professional Concentration)</td>
<td>B.S.</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>B.S., M.S., M.S./M.B.A.</td>
</tr>
<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
</tr>
<tr>
<td>Medicine</td>
<td>M.D.</td>
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College of Medicine Mission, Vision and Goals

Mission
The University of Central Florida College of Medicine educates and inspires individuals to be exemplary physicians and scientists, leaders in medicine, scholars in discovery, and adopters of innovative technology to improve the health and well-being of all.

Our patient-centered mission is achieved by outstanding medical care and services, groundbreaking research, and leading edge medical and biomedical education in an environment enriched by diversity.
Vision
The University of Central Florida College of Medicine aspires to be the nation’s premier 21st century college of medicine.

The UCF College of Medicine will be a national leader in education, research, and patient care, recognized for supporting and empowering its students and faculty to realize their passion for discovery, healing, health, and life, and for its ability to create partnerships to transform medical education, health care, and research.

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

Burnett School of Biomedical Sciences
Director, Burnett School of Biomedical Sciences: Griffith Parks
HPA2 335C; 407-823-5932
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
HPA2 335J; 407-823-2914
Associate Director of Facilities (Burnett School of Biomedical Sciences): Robert Genarro
BMS 221; 407-823-4866
Associate Dean for Research (Burnett School of Biomedical Sciences): Sampath Parthasarathy
BBS 101G; 407-266-7119

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (including the Biomedical Sciences, Pre-professional Concentration) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. BSBS also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in Biomedical Sciences. At this time, the Burnett School has over 2,550 undergraduate students and approximately 120 graduate students. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, and the Biomedical Science Center.

Program in Biomedical Sciences
Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220
Graduate Coordinator (M.S. program): Saleh Naser
BMS 221; 407-823-0955
Graduate Co-Coordinator (Ph.D. Program): Saleh Naser
BMS 221; 407-823-0955
Graduate Co-Coordinator (Ph.D. Program): Steve Ebert
BBS 420; 407-266-7047

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

Degrees: Biomedical Sciences (B.S., M.S., Ph.D.)
Biomedical Sciences Pre-professional Concentration (B.S.)

Program in Biotechnology
Undergraduate Coordinator: Dorilyn Hitchcock
HPA2 339; 407-823-5220
Graduate Coordinator: Saleh Naser
BMS 221; 407-823-0955

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

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

Program in Medical Laboratory Sciences
Director: Dorilyn Hitchcock
HPA2 339; 407-823-5220

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

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

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

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

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS, 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (B.S.)
Tracks: None
Minors: None

Office of Student Services and Advisement (OSSA)
Director: Amanda Colee
HPA2 335A; 407-823-5932;
Academic Advisor: Cynthia Contreras
HPA2 336; 407-823-5787;
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1259
Email: BSBSAdvising@ucf.edu

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Medicine are located at: http://oas.ucf.edu/academiclearningcompacts.html
The College of Nursing 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 four tracks: traditional, second degree accelerated, concurrent and RN to BSN. The traditional, accelerated second degree, and concurrent tracks prepare students for initial licensure as a registered nurse. The traditional program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The Concurrent ASN to BSN program is a partnership between selected Florida College System institutions and UCF College of Nursing to allow simultaneous enrollment in both associate and baccalaureate nursing programs. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasizes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. Contact the College of Nursing for specifics on the RN to BSN program. Courses are primarily on line with some face to face classes offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Family Nurse Practitioner, Adult/Gerontology Primary Care Nurse Practitioner, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-46 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research. It is offered in a mostly online format with two Intensive on campus meetings per year.

The Doctor of Nursing Practice (DNP) prepares advanced practice nurses and nurse executives for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) (MSN) (PhD) (DNP) Programs in the College of Nursing are upper division, limited access programs. Application must be made to the appropriate program in Nursing. Programs in the College of Nursing are upper division, limited access programs.

General Requirements for the Bachelor’s Degree

- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website: http://www.nursing.ucf.edu

Academic Advisement

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

The College of Nursing Office of Undergraduate Student Services assists undergraduate students in understanding matters relating to college and university requirements and procedures, as well as coordinating orientation, registration and graduation certification. Students interested in pursuing limited access programs are encouraged to meet with advisors in the college to take the appropriate prerequisite requirements. Questions concerning university and college academic policies should be directed through this office.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/academiclearningcompacts.html
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
Email: info@creol.ucf.edu
http://www.creol.ucf.edu

Associate Dean for Academic Affairs: David J. Hagan
CROL 209; 407-823-6817

Associate Director, Academic Affairs: Mike McKee
CROL 108B; 407-823-6376; undergrad@creol.ucf.edu

Faculty: Abouraddy, Amezcua-Correa, Bass, Baudelet, Cerqua-Richardson, Chang, Christodoulides, Delfyett, Deppe, Dogariu, Fathpour, Glebov, Gaume, Hagan, Kar, Khajavikhan, Kik, Kuebler, Li, LiKamWa, Pang, Moharam, Richardson, Saleh, Schoenfeld, Schulzgen, Shah, Silfvast, Soileau, Stegeman, Van Stryland, Vodapyanov, Wu, Zeldovich

Undergraduate Degree
Photonic Science and Engineering

College Vision
Be the nation's leader in education, research, and scholarship in optical science and engineering (OS&E).

College Mission
CREOL, The College of Optics & Photonics is a world-renowned graduate college for optical science and engineering education and research. Its mission is to: Provide the highest quality education in optical science and engineering, support the educational needs of undergraduate and graduate students, serve the continuing educational needs of industry, and enhance optics and photonics education at all levels; Create and disseminate new knowledge and innovations in optics and photonics by conducting, presenting, and publishing cutting-edge fundamental and applied research; Aid in the development of the State of Florida and the nation’s knowledge-based and technology-based industries; and create, foster, and sustain mutually beneficial research collaborations and partnerships with industry.
College of Optics and Photonics

College Organization

The College of Optics and Photonics (COP) was formed in 2004, as a result of the great success of CREOL (the Center for Research and Education in Optics and Lasers), which was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries. The College has offered MS and PhD degrees in Optics for many years and now offers the degree of Bachelor of Science in Photonic Science and Engineering in collaboration with the College of Engineering and Computer Science (CECS).

CREOL has become an internationally recognized institute with 30 faculty members, 63 Ph.D. level research scientists, and 120 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $50 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program. The undergraduate lab is outfitted with the latest equipment and technologies in a dedicated space for undergraduate students.

The research activities, through centers such as CREOL, the Florida Photonics Center of Excellence (FPCE) and the Townes Laser Institute, span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer.

The faculty engage in research and education in fields utilizing radiation at wavelengths ranging from millimeter waves and THz to UV and X-rays. This includes several photonic technologies: 1) lasers, 2) optical fibers, 3) semiconductor and integrated photonic devices, 4) nonlinear and quantum optics, and 5) imaging, sensing and display. These technologies have applications in industry, communication and information technology, biology and medicine, energy and lighting, aerospace, and homeland security and defense. Design of optical systems, which has been the core of optical engineering, remains to be a principal component of the discipline, and advanced topics such as nanophotonics, attosecond optics, metamaterials, plasmonics, and biophotonics, have been embraced as areas of strength and future growth. These programs are supported by over $10 million of research grants and contracts annually from numerous federal and state agencies and industry.

Bachelor of Science in Photons Science and Engineering Description

Optics and photonics technologies are central to modern life. For example, they are needed to make and inspect the integrated circuits in nearly every electronic device we use. They are used in high-efficiency lighting, displays, and the harvesting of solar power. Optical fibers have enabled the Internet and lasers are essential to precision manufacturing and metrology, and a plethora of medical applications including clinical diagnosis, surgery, and genome mapping. Photonics plays a huge role in the US and Florida’s economy, with over 270 photonics companies in Florida, employing over 5,000 engineers. B.S. degree in Photonic Science and Engineering will enable students to analyze and design optical and laser systems for a broad set of applications including manufacturing, healthcare, telecommunication, defense, security, and entertainment. PSE students are required to complete a senior design project in which students work as a small design team.

Mission

The mission of the Bachelor of Science in Photonic Science and Engineering is to educate students in the fundamental skills, knowledge, and practice so they can apply their knowledge, analyze, and design technologies in a productive and ethical manner that will lead them to positions within the Photonic Science and Engineering industry, or to prepare them for advanced course work or degrees within Optics and Photonics.

Program Educational Objectives

1. Graduates will grow in their role as photonics scientists and engineers in society leading to leadership within the profession.
2. Graduates will make a meaningful impact on profession while behaving ethically and taking into account environmental and economic issues.
3. Graduates will pursue life-long learning in their areas of interest, through such endeavors as graduate studies, service to the profession, or participating in training opportunities.

Student Outcomes

Upon graduation, graduates will have:

1. The ability to apply knowledge of mathematics, science, and engineering.
2. The ability to design and conduct experiments, as well as to analyze and interpret data.
3. The ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. The ability to function on multidisciplinary teams.
5. The ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. The ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in global, economic, environmental, and societal contexts.
9. Recognition of the need for, and the ability to engage in life-long learning.
10. Knowledge of contemporary issues.
11. The ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

Advisement

The Photonic Science and Engineering Bachelor’s degree is jointly offered with CECS. General questions about the program can be directed to the Associate Director in the College of Optics and Photonics or email at undergrad@creol.ucf.edu. Questions about general engineering requirements are available through the CECS Academic Affairs Office in ENG1 107.

Additional Information on UCF Baccalaureate Photonic Science and Engineering Program

Additional and current information on the UCF Photonic Science and Engineering can be found on the College home page at http://www.creol.ucf.edu and information about this joint program with the College of Engineering and Computer Science can be found at http://www.cecs.ucf.edu.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Optics and Photonics are located at:

http://oeas.ucf.edu/academiclearningcompacts.html
College of Sciences

Dean: Michael Johnson
CSB 201; 407-823-1997
http://www.cos.ucf.edu

Associate Dean: Cynthia Young
CSB 201; 407-823-1912

Associate Dean: Teresa Dorman
CSB 201; 407 823-5167

Associate Dean: Arlen F. Chase
CSB 201; 407 823-2316

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics along with the Nicholson School of Communication. In addition, the college houses several additional academic and research units, including the Arboretum, Global Perspectives, the Lou Frey Institute of Politics and Government, the National Center for Forensic Science, and ISTEM (Initiatives in Science, Technology, Engineering, and Mathematics).

The College is responsible for programs in the behavioral and social sciences, the communication sciences, the analytic and computational sciences, and the physical and life sciences. The departments collectively offer undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs in these areas. For information concerning graduate programs, please refer to the Graduate Catalog: http://www.graduatecatalog.ucf.edu.

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, most programs require that a student achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor as defined by each department (see program specific requirements). Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major (see “Foreign Language Requirements” under specific program requirements).

Preprofessional Programs

Prelaw Program

Prelaw Advisor: Roger Handberg
PH 302; 407-823-2608

There is no preferred major for those students interested in enrolling into a law program. Law schools accept superior students with a good liberal arts or science background, regardless of major field. A Bachelor of Arts or Bachelor of Science degree with an emphasis in theory and critical thinking is typically suggested. 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. Students are also encouraged to seek advisement from the university’s Office of Pre-Health and Pre-Law Advising: http://www.phpladvising.ucf.edu/.

Prehealth Professions

While there are specific courses that students need to master to enroll into a medical program, there is not a required major. The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the health sciences. Refer to the Biology Preprofessional Concentration for additional information. Students are also encouraged to seek advisement from the university’s Office of Pre-Health and Pre-Law Advising: http://www.phpladvising.ucf.edu/.

Advisement

College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick
CSB 250; 407-823-6131
Email: cosas@ucf.edu
http://www.cos.ucf.edu/cosas/

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 as well as students with low major GPAs. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.
Programs and Degrees

Title Degree
Actuarial Science Minor
Advertising-Public Relations BA
Anthropology BA, MA, Minor
Anthropology of Global Health Undergraduate Certificate
Anthropology in Multicultural Studies Minor
Astronomy Minor
Behavioral Forensics Undergraduate Certificate
Biography BS, MS, Minor
Biography-Preprofessional BS Concentration
Biomedical Sciences PhD
Chemistry BS, MS, PhD, Minor
Chemistry-Biochemistry BS Track
Clinical Psychology MA
Communication MA
Communication and Conflict BA
Computer Forensics Graduate Certificate
Conservation Biology PSM, PhD, Graduate Certificate
Corporate Communication Graduate Certificate
Crime Scene Investigation Undergraduate Certificate
Crime, Law, and Deviance Minor
Diplomacy Minor, Undergraduate Certificate
Diversity & Social Inequality Minor
European Studies Minor
Forensic Science BS, MS
Global Peace & Security Studies
Health Communication Undergraduate Certificate
Human Communication BA, Minor
Industrial/Organizational Psychology MS
Intelligence and National Security Graduate Certificate
International & Global Studies BA, Minor
Journalism BA
Journalism Studies Minor
Magazine Journalism Minor
Mass Communication Minor
Mass Culture & Collective Behavior Minor
Mathematical Biology Minor
Mathematics BS, Graduate Certificate, MS, PhD, Minor
Maya Studies Graduate Certificate
Medical Anthropology Minor
Medical Sociology Minor
Nanoscale Science and Technology Minor
Native American Studies Undergraduate Certificate
North American Indian Studies Minor
Physics BS, MS, PhD, Minor
Political Science BA, MA, Minor
Political Science-Pre Law BA Track, Minor
Psychology BS, MA, MS, PhD, Minor
Radio-Television BA
SAS Data Mining Graduate Certificate
Security Studies PhD
Social Sciences BS
Sociology BA, MA, PhD, Minor
Statistics BS, MS, Minor
Terrorism Studies Minor

Departments, Schools, and Programs

Department of Anthropology

Chair: Tosha Dupras
PH 309; 407-823-2227
Email: anthrop@ucf.edu
http://anthropology.cos.ucf.edu/

Assistant Chair and Undergraduate Coordinator: John Schultz

Please see the department website for a listing of the department's faculty and staff.

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Studies; a minor in Medical Anthropology, an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

Degrees: Anthropology (BA, MA)

Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, North American Indian Studies

Certificates: Anthropology of Global Health (undergraduate), Crime Scene Investigation (undergraduate), Native American Studies (undergraduate), Maya Studies (graduate)

Department of Biology

Chair: Graham Worthy
BL 301; 407-823-1333
Email: biology@ucf.edu
http://biology.cos.ucf.edu/

Associate Chair: Laurie von Kalm
Undergraduate Coordinator: Eric Hoffman

Please see the department website for a listing of the department's faculty and staff.

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participate in an interdisciplinary Ph.D. program in Biomedical Sciences.

The core undergraduate curriculum provides a background 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 sub-specialty. 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)

Concentration: Biology Pre-professional (BS)

Minors: Biology

Certificate: Conservation Biology (graduate)

Department of Chemistry

Chair: Cherie Yestrebsky
PS 255; 407-823-2240
Email: chemstaff@ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino
Undergraduate Coordinator, Forensic Science: Gerald Mattson

Please see the department website for a listing of the department's faculty and staff.

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical, 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 sub-specialty. 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: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)

Tracks: Biochemistry (BS), Forensic Analysis (BS, MS), Forensic Biochemistry (BS, MS)

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

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

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

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

Degrees: Mathematics (BS, MS, PhD)
Certificate: Mathematics (graduate)
Minors: Mathematics, Mathematical Biology

Department of Physics
Chair: Talat Rahman
PS 430A; 407-823-5785
Email: physics@ucf.edu
http://physics.cos.ucf.edu/
Associate Chair: Joshua Colwell
PS 434; 407-823-2012
Undergraduate Coordinator: Elena Filtsiy
PS 430; 407-823-2325

Please see the department website for a listing of the department's faculty and staff.

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions 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 (with specializations in Materials Physics, Nanoscale Science and Technology, Physics and Astronomy)
Minors: Astronomy, Nanoscale Science and Technology, Physics

Department of Political Science
Chair: Kerstin Hamann
HPH 302; 407-823-2608
Email: politics@ucf.edu
http://politicsscience.cos.ucf.edu/
Assistant Chair: Barbara Kinsey
PH 302; 407-823-2608

Please see the department website for a listing of the department’s faculty and staff.
College of Sciences

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

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:

- Asian Studies: Contact Houman Sadri or Myunghee Kim.
- Diplomacy: Contact Roger Handberg.
- Environmental Studies: Contact Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global Peace and Security Studies: Contact Paul Vasquez.
- International and Global Studies: Contact Paul Vasquez.
- Latin American and Iberian Studies: Contact Bruce Wilson.
- Middle Eastern Studies: Contact Houman Sadri.
- Space Studies: Contact Roger Handberg.
- Terrorism Studies: Contact Paul Vasquez
- Women's Studies: Contact Terri S. Fine.

Degrees: Security Studies (PhD), Political Science (BA, MA), International and Global Studies (BA)
Tracks: Prelaw
Minors: Political Science, Political Science/Prelaw, Diplomacy, Global Peace and Security Studies, European Studies, International and Global Studies
Certificates: Diplomacy

Department of Psychology
Chair: Jeffrey Cassisi
PSY 301L; 407-823-2216
Email: psychinfo@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: Bernard Jensen
Assistant Chair: Alisha Janowsky
Undergraduate Program Coordinators: Alisha Janowsky and Karen Cox

Please see the department website for a listing of the department’s faculty and staff.

The undergraduate program of the Department of Psychology reflects the scientific nature of the field and has three primary goals. The first is to provide students graduating with a B.S. in psychology with knowledge of the basic theories and research in psychology. The second is to provide critical thinking, writing skills, and knowledge of research and statistical concepts so graduates can apply these concepts to their work, community, and lives. Finally, we prepare our graduating students with the skills necessary for success in graduate programs in psychology or related fields.

Degrees: Psychology (BS, MA, MS, PhD)
Minors: Psychology
Certificates: Behavioral Forensics

Department of Sociology
Chair: Elizabeth Mustaine
PH 403B; 407-823-3744
Email: sociology@ucf.edu
http://sociology.ucf.edu/

Undergraduate Program Coordinator: Lin Huff-Corzine

Please see the department website for a listing of the department’s faculty and staff.

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 (BS)
Tracks: International Relations and Security Studies, Women's Studies:
Minors: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology

Department of Statistics
Chair: David Nickerson
CCII 206; 407-823-5528
Email: stats@ucf.edu
http://statistics.cos.ucf.edu/

Associate Chair: James Schott
Undergraduate Program Coordinator: Nizam Uddin

Please see the department website for a listing of the department’s faculty and staff.

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree; 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS)
Tracks: Data Mining (MS)
Minors: Statistics, Actuarial Science

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

**Academic Services**

*Interim Associate Dean and Director:* Heath Martin  
MH 210; 407-823-2691  
http://www.academicservices.ucf.edu

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

**Bachelor of Applied Science**

*Interim Vice Provost and Dean:* Manoj Chopra  
MH 218; 407-823-2373  
http://regionalcampuses.ucf.edu/program/applied-science

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

**Office of Experiential Learning**

*Interim Director:* Ulla Isaac  
CSEL 300; 407-823-2667  
http://www.explearning.ucf.edu

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty advise students, teach co-op and internship courses, and facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships. They also develop and maintain productive relationships with employers, collect and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research and applications for national recognition. The primary goal is to ensure that students benefit academically by having access to and including experiential learning courses in their degree programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
Academic Advancement Programs
Director: Michael Aldarondo-Jeffries
TC2 221; 407-823-1815
http://www.aap.ucf.edu

Academic Advancement Programs (AAP) prepares underrepresented and first generation college students to pursue advanced degrees. AAP works in collaboration with faculty, staff, local and national partners to provide a range of graduate preparation programs and services. Students have the opportunity to participate in a variety of initiatives designed to increase their awareness and knowledge of the graduate application process, graduate school funding, summer research programs, and fellowship opportunities. Current programs include the McNair Scholars Program, the Research and Mentoring Program, and the Graduate School Prep Academy.

Office of Interdisciplinary Studies
Interim Director: Elliot Vittes
CL1 302; 407-823-0144
Email: is@ucf.edu
http://is.ucf.edu

Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Luisa Cintron, Cassandra Everly, Said Jardaneh, Peter Wallace

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

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies,
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Health and Pre-Law Advising
Interim Director: Manoj Chopra
Associate Director: Erin Myszkowski
FC 203; 407-823-3033
http://phpladvising.ucf.edu

The Office of Pre-Health and Pre-Law Advising provides guidance and support to students interested in pursuing careers in the health and legal professions. The Office provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, occupational therapy, and public health. These careers require academic study in professional school settings beyond the baccalaureate degree, and the Office assists “Pre-Professional” Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. The Office’s primary goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Office of Undergraduate Research
Director: Kimberly Schneider
TC2 209; 407-823-3125
http://our.ucf.edu

UCF offers numerous opportunities for undergraduates to pursue research and creative projects in various disciplines with the guidance of a faculty mentor. This intensive opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, creative, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. The office offers programming to help students get involved such as the first-year LEARN program, pre-research courses, workshops, and peer advising and also hosts programs to enhance the research experience for students including the Showcase of Undergraduate Research Excellence, UCF Undergraduate Research Journal, summer fellowships, and student grants.

EXCEL Program
Director: Melissa Dagley
MSB 230; 407-823-6230
http://excel.ucf.edu

The goal of the EXCEL program is to increase the success of students who pursue a degree in a STEM area (science, technology, engineering, and mathematics) at UCF. To attain this goal, the EXCEL program offers enhanced educational opportunities for its recruits, such as common EXCEL, mathematics courses, the EXCEL Tutoring Center for math and science, designated graduate teaching assistant mentors to closely monitor student performance in EXCEL math classes, consistent advising by a dedicated EXCEL first year advisor and the STEM college advisors, paid sophomore research experiences, and many social activities that build strong bonds among EXCEL students. The purpose of these EXCEL activities is to create a learning community which connects students, staff, and faculty, with the goal of increasing the college success of every student participant in the program.

The Quality Enhancement Plan Office
Director: TBA
CL1 206; 407-823-1342
http://if.ucf.edu

The Quality Enhancement Plan (QEP) is a component of UCF’s accreditation with the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) and involves developing and executing an initiative that supports student learning in a well-defined and focused area. In 2006, UCF selected information fluency (IF) as its QEP topic. The Quality Enhancement Plan Office actively supports faculty development, funds curricular and co-curricular projects that promote information fluency, publishes the Journal of Information Fluency, and hosts the annual Information Fluency conference.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://oeas.ucf.edu/academiclearningcompacts.html
Rosen College of Hospitality Management
Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819; 407-903-8000
http://www.hospitality.ucf.edu
Associate Dean: Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000
Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

The hospitality industry is the second largest employer in the United States and represents the majority of the economy’s rapidly growing service sector. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry and beyond. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

Over 55 million tourists visit Orlando each year, an international destination with over 400 hotels with 120,000 rooms, 20,000 vacation ownership units, 5,300 restaurants, 176 golf courses, over 100 theme parks and attractions, 12 regional shopping malls, a top-ranked international airport, the second largest convention center in the nation, and a multitude of sport and entertainment venues. As the most visited location in the United States, Orlando’s hospitality & tourism industry is the region’s largest employer, supplying approximately 360,000 jobs with wages exceeding $14 billion annually.

The educational mission of the College is to provide students with the knowledge, skills and abilities to identify opportunities and challenges in the hospitality industry and beyond, and to apply creative decision-making techniques in response to those opportunities. Hospitality is relevant to every business, so students will benefit from an education that’s transferable to both private and public entities that value the customer experience.

The curriculum is designed to prepare students for a broad range of managerial roles across various industries. It provides both academic preparation and practical experiences that students need to enter and succeed in their careers. Students also have the opportunity to experience the work world in hospitality through an internship requirement and extensive contact with leading hospitality executives in the Central Florida area. There are three undergraduate degrees offered, including Bachelor of Science degrees in Hospitality Management, Event Management, and Restaurant and Food Service Management.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

Distinctive Benefits
• A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with convenient on-campus housing.
• Access to global hospitality organizations that serve one of the world’s premier tourist destinations.
• Extensive ties to top leaders in the Orlando area hospitality industry.
• A large number of scholarships provided through the generous support of the industry.
• Outstanding faculty from 17 different countries.
• A highly engaged faculty with vast industry knowledge and connections.
• A work requirement that provides students with practical experiences in the hospitality industry.
• Outstanding internship opportunities.
• A modern food production laboratory and beer and wine laboratory completely equipped to provide students with experience in food preparation.
• Multiple endowed chairs and professorships.

Degrees: Event Management (BS), Hospitality Management (BS), Restaurant and Food Service Management (BS)
Tracks: Theme Park and Attraction Management; Golf and Club Management
Minor: Hospitality Management; Event Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/academiclearningcompacts.html
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<tr>
<th>Department Name</th>
<th>Programs</th>
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<td>Anthropology</td>
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<td>Art - History Track</td>
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<td>Art - Studio Track</td>
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<td>Art - Visual Arts and Emerging Media Management Track</td>
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<td>Art - B.F.A. - Emerging Media Track</td>
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<td>Art - B.F.A. - Studio Art Track</td>
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<td>Art Education</td>
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<td>Civil Engineering</td>
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<td>Communication &amp; Conflict</td>
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<td>Computer Engineering</td>
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<td>Computer Science</td>
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<td>Computer Science - Accelerated Undergraduate-Graduate Program</td>
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<td>Construction Engineering</td>
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<td>Criminal Justice</td>
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<td>Criminal Justice Scholar’s Track</td>
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<td>Digital Media</td>
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<td>Early Childhood Development and Education Track 1: Education: Pre-Kindergarten - Primary</td>
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<td>Elementary Education</td>
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<td>English - Creative Writing</td>
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<td>Event Management</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>Finance</td>
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<td>Forensic Science - Analysis Track</td>
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<td>Forensic Science - Biochemistry Track</td>
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<td>French</td>
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<td>Health Informatics and Information Management</td>
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<td>Health Sciences - Pre-Clinical Track</td>
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<td>Health Services Administration</td>
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<td>History</td>
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<td>History - Accelerated Undergraduate-Graduate Program</td>
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<td>Hospitality Management</td>
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<td>Hospitality Management - A.S. to B.S. Track</td>
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<td>Human Communication</td>
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<td>Industrial Engineering</td>
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<td>Industrial Engineering - Accelerated Undergraduate-Graduate Program</td>
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<td>Information Technology</td>
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The purpose of the Accounting B.S.B.A. degree is to prepare students to successfully gain admittance to our Accounting M.S.A./M.S.T. graduate degree program and become Certified Public Accountants (CPAs). Not eligible for a double degree with another College of Business Administration major. Accounting Minor is only open to Finance majors.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3131, with a GPA of at least 3.0, a grade of at least “B” (3.0) in ACG 3131, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Accounting must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a minimum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Accounting major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPA will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dropped as an Accounting major and/or College of Business student. A student who is dropped may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students must earn a “B” or higher in ACG 3131. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required CGS 2100C Computer Fundamentals for Business 3 hrs
   Required MAC 1105C College Algebra 3 hrs

   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Prefer ECO 2013 Principles of Macroeconomics 3 hrs
   Prefer ECO 2023 Principles of Microeconomics 3 hrs

   Select 1: 3 hrs
   Suggested ANT 2000 General Anthropology or 3 hrs
   Suggested PSY 2012 General Psychology or 3 hrs
   Suggested SYG 2000 Introduction to Sociology 3 hrs

   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (18 hrs)
   Required courses for major: 21 hrs
   1. MAC 2233 Concepts of Calculus and 3 hrs
   STA 2023 Statistical Methods I 3 hrs
   or
   1 or MAC 2311 and MAC 2312

   3. Core Requirements: Basic Level
   None

   4. Core Requirements: Advanced Level (49 hrs)

   Primary Core 15 hrs
   ACG 3131 Intermediate Financial Accounting I 3 hrs
   ECO 3411 Quantitative Business Tools II 3 hrs
   FIN 3403 Business Finance 3 hrs
   MAN 3025 Management of Organizations 3 hrs
   MAR 3023 Marketing 3 hrs

   Secondary Core 13 hrs
   GEB 3003 Career Research & Planning 1 hr
   GEB 3005 Career Search Strategy 1 hr
   BUL 3130 Legal and Ethical Environment of Business 3 hrs
   GEB 3375 Introduction to International Business 3 hrs
   MAR 3203 Supply Chain and Operations Management 3 hrs
   GEB 4223 Business Interviewing Techniques 1 hr
   GEB 4004 Executing Your Career Plan 1 hr

   Required courses for major: 21 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 Advanced Issues in Financial Accounting 3 hrs
   TAX 4001 Taxation of Business Entities and Transactions 3 hrs

   5. Restricted Electives (6 hrs)
   Business Electives 6 hrs
   - Select two upper level business courses

   6. Capstone Requirements (3 hrs)
   - An approved Intent to Graduate must be on file in order to register for MAN 4720.
   MAN 4720 Strategic Management 3 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
UCF Degree Programs

8. Electives
   ■ Variable

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, and nine hours of summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
■ Admission: Application for admission to the Honors in the Major program must be approved by both the Honors Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements:
■ Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:

Take all of the following sequences:
ACG 4903H Honors Directed Reading I or 3 hrs
ACG 4904H Honors Directed Reading II 3 hrs
and
ACG 4907H Undergraduate Honors Thesis 3 hrs

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
■ Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
■ Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ General electives as required to earn 120 credit hours

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
MAC 1105C College Algebra 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
Cultural Foundation I 3 hrs
Elective 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Social Foundation 3 hrs
Elective 3 hrs
Elective 3 hrs

Sophomore Year - Fall 15 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
SFC 1608 Fundamentals of Oral Communication 3 hrs
Science 3 hrs
Historical Foundation I 3 hrs
Elective 3 hrs

Sophomore Year - Spring 15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
CQS 2100C Computer Fundamentals for Business 3 hrs
Historical Foundation II 3 hrs
Science 3 hrs

Junior Year - Fall 16 hrs
ACG 3131 Intermediate Financial Accounting I 3 hrs
FIN 3403 Business Finance 3 hrs
MAR 3023 Marketing 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAN 3025 Management of Organizations 3 hrs
GEB 3003 Career Research & Planning 1 hr

Junior Year - Spring 15 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
ACG 3361 Cost Accounting I 3 hrs
MAN 3025 Management of Organizations 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
GEB 3005 Career Search Strategy 1 hr
Elective 2 hrs

Senior Year - Fall 16 hrs
ACG 3501 Financial Accounting for Governmental and 3 hrs
Nonprofit Organizations
ACG 4401C Accounting Information Systems 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
MAR 3203 Supply Chain and Operations Management 3 hrs
GEB 3375 Introduction to International Business 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
TAX 4001 Taxation of Business Entities and 3 hrs
Transactions
ACG 4651 Auditing 3 hrs
ACG 4803 Advanced Issues in Financial Accounting 3 hrs
MAN 4720 Strategic Management 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html
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
Email: adpr@ucf.edu
Joan McCain - Area Coordinator, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Advertising-Public Relations program is a limited access program that requires a separate application.
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student's GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Pass a grammar proficiency exam administered by UCF’s Testing Center, unless the student has qualifying AP or IB scores, or a “B” is earned in both freshman GEP English classes.
- Contact NSC Advising for specifics of admission criteria.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in progress at the time of admission, students who do not earn a “C” or better will be removed from the program):

  Complete the following: 6 hrs
  ADV 3008 Principles of Advertising and 3 hrs
  PUR 4000 Public Relations 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements
- Students who change degree programs (other than from Ad-PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.

- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select either 3 hrs
   Required SPC 1608 Fundamentals of Oral Communication or 3 hrs
   Required SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   Select two courses from group B 2. 6 hrs

   C: Mathematical Foundations (6 hrs)
   Math 3 hrs
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   May substitute a higher level math with appropriate scores on the Math Placement Exam.

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

   D: Social Foundations (6 hrs)
   Economics 3 hrs
   Required ECO 2013 Principles of Macroeconomics or 3 hrs
   Required ECO 2023 Principles of Microeconomics 3 hrs

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

   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Select either Economics course:
  ECO 2013 Principles of Macroeconomics or GEP
  ECO 2023 Principles of Microeconomics

- Select either Speech course:
  SPC 1608 Fundamentals of Oral Communication or GEP
  SPC 1603C Fundamentals of Technical Presentations GEP

3. Core Requirements: Basic Level (6 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following:

  Must be in progress or completed before applying to the program:

  Complete all of the following: 6 hrs
  - For admission to the program, students must complete or be enrolled into and complete the following courses with a “C” or better (if in process at the time of admission, students who do not earn a “C” or better will be removed from the program).
  ADV 3008 Principles of Advertising and 3 hrs
  PUR 4000 Public Relations 3 hrs

  May be completed before or after admission to the program:

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

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Complete either speech class:
- SPC 1608 Fundamentals of Oral Communication or GEP/CPP
- SPC 1603C Fundamentals of Technical Presentations or GEP/CPP

Complete either statistics class:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I or GEP

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

**Complete after admission to the program:**
- ADV 4101 Advertising Copywriting 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 4411 Ad-PR Campaigns 3 hrs
- MMC 3630 Social Media as Mass Communication 3 hrs
- PUR 3100 Writing for Public Relations 3 hrs

**Internship:** Select one 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship or 3 hrs

### 5. Restricted Electives (12 hrs)

Select from the following after admission to the program:
- PUR 3004 Public Relations and Society 3 hrs
- ADV 4103 Radio-Television Advertising 3 hrs
- ADV 4300 Advertising Media Planning 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- PUR 4203 PR/Advertising Ethics and Law 3 hrs
- PUR 4400 Crisis Communication 3 hrs
- PUR 4110C Public Relations Publications 3 hrs
- PUR 4801 Public Relations Case Studies 3 hrs
- VIC 3001 Visual Communication 3 hrs

You may take either internship, but not both. 3 hrs
- ADV 4941 Internship or 3 hrs
- PUR 4941 Internship or 3 hrs

### 6. Capstone Requirements
- The following Advanced Core course meets the Capstone Requirement:
  - MMC 4411 Ad-PR Campaigns 3 hrs

### 7. Foreign Language Requirements

**Admissions**
- Met by graduation requirement.

**Graduation**
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

### 8. Electives
- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the disciplines represented within school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

### 9. Additional Requirements
- None

### 10. Required Minors
- None required. However if a minor is desired, it must be selected from outside the school in order to not exceed the 40 credit hour cap.

### 11. Departmental Exit Requirements
- To avoid delaying graduation, the student must request a review of requirements before registering for the last term.
- Achieve an overall “C” GPA (2.0) in Nicholson School of Communication courses used to satisfy the major.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

**Honors In Major**
- 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; complete ADV 3008 and PUR 4000 with a minimum grade of A (4.0) and MMC 3420 with a minimum grade of B (3.0).
- Admission: Application to admission to Honors in the Major program must be approved by both the Honors in the Major thesis adviser and the Advertising-Public Relations Area Coordinator.

**Requirements:**
- Students accepted into the Honors in the Major Program must complete the following:
  - Select 1: ADV 4906 Directed Independent Study or 3 hrs
  - PUR 4906 Directed Independent Study or 1 hr

**Select 1:** 3 hrs
- ADV 4906 Directed Independent Study or 1 hr
- PUR 4906 Directed Independent Study or 1 hr

**Select 1:** 3 hrs
- ADV 4970H Undergraduate Honors Thesis or 1 hr
- PUR 4970H Honors Undergraduate Thesis II or 1 hr

**Related Programs**
- Marketing
- Certificates
- None

**Related Minors**
- NOTE: Minors taught within the Nicholson School of Communication are not open to Ad-PR majors.
- Business
- Digital Media
- Writing and Rhetoric
- Hospitality Management
- Marketing
- Political Science
- Psychology
- Sociology

**Advising Notes**
- Students must satisfy each course's prerequisites before enrolling in the class.

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

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

### Freshman Year - Spring
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- Foreign Language 4 hrs
Sophomore Year - Fall  
15 hrs  
ADV 3008 Principles of Advertising 3 hrs  
GEP- Economics 3 hrs  
GEP- 3 hrs  
GEP- 3 hrs  
Elective-take outside of NSC 3 hrs  

Sophomore Year - Spring  
15 hrs  
Elective-take outside of NSC 3 hrs  
PUR 4000 Public Relations 3 hrs  
GEP 3 hrs  
GEP 3 hrs  
GEP 3 hrs  

Junior Year - Fall  
Applying to program by Oct 1.  
MMC 3420 Mass Media Research Methods 3 hrs  
MMC 3630 Social Media as Mass Communication 3 hrs  
Elective-take outside of NSC 3 hrs  
Elective-take outside of NSC 3 hrs  

Junior Year - Spring  
15 hrs  
PUR 3100 Writing for Public Relations 3 hrs  
Restricted Elective 3 hrs  
Elective-take outside of NSC 3 hrs  
Elective-take outside of NSC 3 hrs  
Junior Year - Summer  
9 hrs  
Internship 3 hrs  
Elective-take outside of NSC 3 hrs  
Elective-take outside of NSC 3 hrs  

Senior Year - Fall  
13 hrs  
ADV 4101 Advertising Copywriting 3 hrs  
Restricted Elective 3 hrs  
Elective-take outside of NSC 4 hrs  
Elective-take outside of NSC 3 hrs  
Graduation Review  

Senior Year - Spring  
12 hrs  
MMC 4411 Ad-PR Campaigns 3 hrs  
Restricted Elective-Internship 3 hrs  
Free Elective-take outside of NSC 3 hrs  
Free Elective-take outside of NSC 3 hrs  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html  

Equipment Fees  
- Part-Time Student: $22 per term  
- Full-Time Student: $44 per term  

Aerospace Engineering (B.S.A.E.)  
College of Engineering and Computer Science  
Department of Mechanical and Aerospace Engineering  
Engineering 1, Room: 381  
http://www.mae.ucf.edu  
Email: mmaeuugrad@ucf.edu  
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014  
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448  
Phone: 407-823-5448  

Admission Requirements  
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.  
- Students wanting to declare a major in an engineering discipline must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.  
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.  

Degree Requirements  
- Students in the Aerospace Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.  
- Students in the Aerospace Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Aerospace Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Aerospace Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.  
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Aerospace Engineering major will be subject to all probation conditions that applied at the time of exclusion.  

1. UCF General Education Program (GEP)  
(38 hrs)  
- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.  

A: Communication Foundations  
(9 hrs)  
Required: ENC 1101 Composition I 3 hrs  
Required: ENC 1102 Composition II 3 hrs  
Select 1:  
Prefer: SPC 1603C Fundamentals of Technical Presentations 3 hrs  
Suggested: SPC 1608 Fundamentals of Oral Communication 3 hrs  

B: Cultural & Historical Foundations  
(9 hrs)  
Select two classes from Historical Foundations 6 hrs  
Select one class from Cultural Foundations 3 hrs  

C: Mathematical Foundations  
(7 hrs)  
Required: MAC 2311C Calculus with Analytic Geometry I 4 hrs  
Required: STA 3032 Probability and Statistics for Engineers 3 hrs  

http://www.mae.ucf.edu
### UCF Degree Programs

#### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one class from Social Foundations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### E: Science Foundations (7 hrs)

<table>
<thead>
<tr>
<th>Suggested</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Select one class from Science Foundations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.

2. See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1. MAC 2311C Calculus with Analytic Geometry I GEP
2. MAC 2312 Calculus with Analytic Geometry II 4 hrs
3. MAC 2313 Calculus with Analytic Geometry III 4 hrs
4. MAP 2302 Ordinary Differential Equations I 3 hrs
5. PHY 2048C Physics for Engineers & Scientists I GEP
6. PHY 2049C Physics for Engineers and Scientists II 4 hrs

1 A “C” (2.0) or better is required in this course.

#### Select one of the following sequences of courses:

**-Preferred course**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 1440 Principles of Chemistry</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**-First alternative:** Select all of the following: 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040 Chemistry Fundamentals IA and IB</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041 Chemistry Fundamentals I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**-Second alternative**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 1006C Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (51 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310 Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343 Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 3706 Structure and Properties of Aerospace Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373 Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3101 Fundamentals of Aerodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3800C Aerospace Engineering Measurements</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 3810C Design of Aerospace Experiments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4105 Flight Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4134 High-Speed Aerodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4300 Aeroermodynamics of Propulsion Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3034C Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGM 3601 Solid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3217 Engineering Mechanics - Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4225 Introduction to Vibrations and Controls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701 Fluid Mechanics I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4142 Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200 Analysis &amp; Design of Aerospace Structures</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (12 hrs)

- Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. [http://mae.ucf.edu/academics/undergraduate/](http://mae.ucf.edu/academics/undergraduate/)

#### 6. Capstone Requirements (6 hrs)

- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 4700C Aerospace Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4710C Aerospace Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 7. Foreign Language Requirements

**Admissions**

- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- None

**Electives**

- None

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- 25% of course work must be in residency at UCF.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 128

**Honors In Major**

- None

**Related Programs**

- Mechanical Engineering

**Certificates**

- None

**Related Minors**

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

**Advising Notes**

- Double Degree/Double Major requirements listed under college section of the catalog.

**Career and Academic Advising**

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 3990</td>
<td>Aerospace Career and Academic Faculty 0 hrs</td>
</tr>
<tr>
<td>EAS 4991</td>
<td>Aerospace Career and Academic Faculty 0 hrs</td>
</tr>
</tbody>
</table>

**Transfer Notes**

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

- EGS 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses will be substituted by an approved Aerospace Engineering Elective for transfer students.
Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
EGS 1006C Introduction to the Engineering Profession 1 hr
ENC 1101 Composition I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
Select 1: 4 hrs
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2040 Chemistry Fundamentals IA or 3 hrs
- CHM 2041 Chemistry Fundamentals IB or 3 hrs

Freshman Year - Spring 15 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
Select 1: 3 hrs
- SPC 1803C Fundamentals of Technical Presentations or 3 hrs
- SPC 1608 Fundamentals of Oral Communication or 3 hrs

Sophomore Year - Fall 13 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
Select 1: 3 hrs
- STA 2003C Principles of Electrical Engineering or 3 hrs
- STA 2004C Principles of Materials Science or 3 hrs

Sophomore Year - Spring 12 hrs
EML 3217 Engineering Mechanics - Dynamics 3 hrs
EGN 3343 Thermodynamics 3 hrs
EGM 3601 Solid Mechanics 3 hrs
Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics or 3 hrs

Junior Year - Fall 15 hrs
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
EAS 3800C Aerospace Engineering Measurements 3 hrs
EAS 3990 Aerospace Career and Academic Faculty Advising I 0 hrs
Select 1: 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3800C Aerospace Analysis & Design of Aerospace Structures 3 hrs
- EML 4142 Heat Transfer 3 hrs

Junior Year - Spring 15 hrs
EAS 3101 Fundamentals of Aerodynamics 3 hrs
EAS 3910C Design of Aerospace Experiments 3 hrs
EML 4225 Introduction to Vibrations and Controls 3 hrs
Select 1: 3 hrs
- EAS 4225 Heat Transfer 3 hrs
- EML 4142 Heat Transfer 3 hrs

Senior Year - Fall 15 hrs
EAS 4105 Flight Mechanics 3 hrs
EAS 4154 High-Speed Aerodynamics 3 hrs
EAS 4991 Aerospace Career and Academic Faculty Advising II 0 hrs
EAS 4700C Aerospace Design I 3 hrs
Select 1: 3 hrs
- EAS 4700C Aerospace Design I 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

Senior Year - Spring 12 hrs
EAS 4300 Aerothermodynamics of Propulsion 3 hrs
EAS 4710C Aerospace Design II 3 hrs
Upper Division Elective 3 hrs
Upper Division 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/academiclearningcompacts.html

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, john.schultz@ucf.edu
Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations in Central America, South America and the Caribbean.

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.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

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

Statistics - Computers 3 hrs
- Suggested STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Suggested 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)

- See Transfer Notes for possible substitutes
- See “Common Prerequisites” in the Transfer and Transitions Services section

ANT 2000 General Anthropology
ANT 2511 The Human Species

3. Core Requirements: Basic Level (6 hrs)

Core-Required, also satisfy the CPP

ANT 2511 The Human Species

Take all of the following: 6 hrs

ANT 2140 Archaeology and the Rise of Human Culture and Social Complexity
ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts

4. Core Requirements: Advanced Level (12 hrs)

Select one from the following courses:

ANT 3145 Archaeology of Complex Societies
ANT 3151 Archaeological Method and Theory

Select one:

ANT 4516 Human Biological Diversity
ANT 4586C Human Origins

5. Restricted Electives (24 hrs)

Area Study 3 hrs

- Select one from the following courses:
  ANT 3148 Life and Death in Ancient Egypt
  ANT 3152 Cliffs, Canyons, and Deserts: Ancient Americas
  ANT 3158 Florida Archaeology
  ANT 3160 Americas Before Columbus
  ANT 3161 Ancient Mexico: Aztec to Zapotec
  ANT 3163 Mesoamerican Archaeology
  ANT 3164 Ancient Incas
  ANT 3165 Archaeology of South America
  ANT 3168 Maya Archaeology
  ANT 3177 Archaeology of Caribbean Piracy
  ANT 3311 Indians of the Southeastern United States
  ANT 3312 Ethnology of North American Indians
  ANT 3313 Indians of North America High Plains
  ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas
  ANT 3362 Peoples of Southeast Asia
  ANT 4153 North American Archaeology
  ANT 4332 People and Cultures of Latin America
  ANT 4340 Caribbean Cultures
  ANT 4352 African Societies and Cultures

Restricted Electives 21 hrs

- Select 7 additional upper-level Anthropology courses; these may include other area study courses from the list above or any other upper-level Anthropology courses that may be offered (see below for restrictions).

Only one of the following may be taken:

ANT 3115 Archaeological Method and Theory
ANT 3145 Archaeology of Complex Societies

Only one of the following may be taken:

ANT 4516 Human Biological Diversity
ANT 4586C Human Origins

Only one of the following may be taken:

ANT 3905 Directed Independent Study or Research
ANT 3955 Study Abroad
ANT 3943 Caribbean Archaeology Practicum or Fieldwork
ANT 4180C Seminar in Laboratory Analysis or Fieldwork
ANT 4824 Advanced Archaeological Fieldwork or Independent Study or Research
ANT 4906 Directed Independent Study or Research
ANT 4912 Directed Independent Research or Fieldwork
ANT 4955 Study Abroad
ANG 5822 Maya Field Research or Independent Study
ANG 5907 Independent Study or Research
ANG 5917 Directed Research

None of the following may be taken:

ANT 4903H Honors Directed Reading I or II
ANT 4904H Honors Directed Reading III or IV
ANT 4970H Undergraduate Honors Thesis

Any of the following may be taken:

ANT 2511L Physical Anthropology Lab
ANT 3026 Mummies, Zombies, and Vampires
ANT 3106 Archaeology and Popular Culture
ANT 3142 Old World Prehistory
ANT 3173 Archaeology of Sex
ANT 3212 Peoples of the World
ANT 3241 Magic, Ritual, and Belief
ANT 3245 Native American Religion
ANT 3262 Rural Society
ANT 3273 Law and Culture
ANT 3302 Sex, Gender and Culture
ANT 3330 Anthropology of the Amazon
ANT 3339 American Indian Literature and Culture in Florida
ANT 3398 Black/Seminole Relations
ANT 3541 Biobehavioral Anthropology
ANT 3555C Primatology
ANT 3701 Engagement & Social Change: Public Anthropology
ANT 3701 Economic Anthropology: Production, Consumption, and Exchange
ANT 3403 Anthropology of Tourism
ANT 4408 Culture, Disease, and Healing
ANT 4421 Medical Anthropology
ANT 4467 Nutritional Anthropology
ANT 4521 Forensic Anthropology
ANT 4525C Human Osteology
ANT 4561 Birth to Death: Anthropological Perspectives on Human Growth
ANT 4702 Culture, Inequality and Global Development
ANT 4802 Ethnographic Field Methods
ANG 5165 Problems in Maya Studies
ANG 5228 Maya Iconography
ANG 5742 Problems in Forensic Anthropology

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

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of “C” (2.0) or better in all courses used for the major.

- Students will be required to take a standard exit exam.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted. Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Social Sciences
- Sociology

**Certificates**
- Crime Scene Investigation
- Cultural Tourism
- Diplomacy
- Health Communications
- Judaic Studies
- Native American Studies
- Nonprofit Management
- Teaching English as a Foreign Language
- Women’s Studies

**Related Minors**
- The first four minors are not open to Anthropology majors:
  - Anthropology
  - Anthropology in Multicultural Studies
  - Medical Anthropology
  - North American Indian Studies
  - Africana Studies
  - American Studies
  - Asian Studies
  - Diplomacy
  - English - Linguistics
  - International and Global Studies
  - Judaic Studies
  - Latin American Area Studies
  - Medical Sociology
  - Middle Eastern Studies
  - Nonprofit Management/National Certification in Nonprofit Management
  - Sociology
  - Women’s Studies
  - World Comparative Studies

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- Although any two ANT courses satisfy the CPP, ANT 2511 is required in the core and must be taken.

**Plan of Study**
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

### Freshman Year - Fall 15 hrs
- **ANT 2000** General Anthropology 3 hrs
- **ENC 1101** Composition I 3 hrs
- **COM 1000** Introduction to Communication 3 hrs
- **GEP-Math** 3 hrs
- **GEP** 3 hrs

### Freshman Year - Spring 15 hrs
- **ANT 2511** The Human Species 3 hrs
- **ENC 1102** Composition II 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs

### Sophomore Year - Fall 15 hrs
- **ANT 2140** Archaeology and the Rise of Human Culture 3 hrs
- **ANT 2410** Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- **Restricted Elective** 3 hrs
- **GEP** 3 hrs
- **Free Elective** 3 hrs

### Sophomore Year - Spring 15 hrs
- **ANT 2145** Archaeology of Complex Societies 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **GEP** 3 hrs
- **Elective / Minor** 3 hrs

### Junior Year - Fall 15 hrs
- **Select 1:**
  - **ANT 3115** Archaeological Method and Theory or 3 hrs
  - **ANT 3145** Archaeology of Complex Societies 3 hrs
- **Restricted Elective** 3 hrs
- **Foreign Language** 4 hrs
- **Restricted Elective** 2 hrs
- **Elective / Minor** 3 hrs

### Junior Year - Spring 15 hrs
- **ANT 4034** History of Anthropological Thought 3 hrs
- **Restricted Elective** 3 hrs
- **Foreign Language** 4 hrs
- **Elective / Minor** 3 hrs
- **Elective / Minor** 2 hrs

### Senior Year - Fall 15 hrs
- **Select 1:**
  - **ANT 4516** Prehistoric Cultures and Technology 3 hrs
  - **ANT 4586C** Human Origins 3 hrs
- **Restricted Elective** 3 hrs
- **Elective / Minor** 3 hrs
- **Elective / Minor** 3 hrs
- **Free Elective** 3 hrs

### Senior Year - Spring 15 hrs
- **Free Elective** 3 hrs
- **Area Study Elective** 3 hrs
- **Free Elective** 3 hrs
- **Elective / Minor** 3 hrs
- **Elective / Minor** 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oears.ucf.edu/academiclearningcompacts.html](http://www.oears.ucf.edu/academiclearningcompacts.html)
Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.

Submission of a completed UCF application packet.

Participation in a competitive review prior to acceptance.

Completion of the General Education Program (GEP) at UCF or equivalent.

UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements are met.

Successful completion of PHY 2053 with a “C” (2.0) or better is required.

Students who change degree programs and select this major must adopt the current catalog.

Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.

Students must earn at least a “C” (2.0) in each required course and maintain an overall GPA of at least 2.0.

Co-op credit cannot be used in this major.

Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.

Completion of at least 120 semester hours of course work, including all required courses.

No more than 12 hours of overlap allowed in majors or minors completed in the School of Visual Arts and Design.

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

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 (9 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

2. Common Program Prerequisites (CPP)

None

3. Core Requirements: Basic Level (34 hrs)

A.A. Courses (completed in the A.A. in Architecture from Valencia College),

ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in Valencia College’s architecture program but required for the B.Des. at UCF. See courses below.

ARC 1201 Theory of Architecture 3 hrs

ARC 1301 Architectural Design I 4 hrs

ARC 1302 Architectural Design II 4 hrs

ARC 1701 History of Architecture I or equivalent 3 hrs

ARC 2180 Introduction to Digital 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 2702 History of Architecture II or equivalent 3 hrs

4. Core Requirements: Advanced Level (45 hrs)

Completed as part of the Bachelor of Design program at UCF.

ARC 3181 Advanced Topics in Digital Architecture 3 hrs

ARC 3320L Architectural Design 5 6 hrs

ARC 3321L Architectural Design 6 6 hrs

ARC 3463 Materials and Methods of Construction 2 3 hrs

ARC 3503 Architectural Structures 3 hrs

ARC 3610 Environmental Technology 1 3 hrs

ARC 3743 Architectural History 3 3 hrs

ARC 4220 Architectural Theory 2 3 hrs

ARC 4322L Architectural Design 7 6 hrs

ARC 4323L Architectural Design 8 6 hrs

ARC 4620 Environmental Technology 2 3 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

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 (10 hrs)

Any combination of course credit at the 3000 or 4000 level within the College and approved internship credit to equal at least 10 hours.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

None

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

None

Related Programs

None

Certificates

Public and Professional Writing

Related Minors

Art - Studio

Art History

Cognitive Sciences

Digital Media

Film - Cinema Studies

Humanities

Philosophy

English - Technical Communication

Writing and Rhetoric

Advising Notes

http://svad.cah.ucf.edu/students

architecture@ucf.edu

Transfer Notes

Grades less than a “C” (2.0) are not accepted.

Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.

Lower division courses do not substitute for upper division courses.

Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.
Plan of Study

Freshman Year - Fall 13 hrs
ARC 1301 Architectural Design 01 (Valencia College) 4 hrs
ART 1701 Architectural History 01 (Valencia College) 3 hrs
ENC 1101 Composition I 3 hrs
MAC 1140C Pre-Calculus Algebra 3 hrs

Freshman Year - Spring 13 hrs
ARC 1302 Architectural Design 02 (Valencia College) 4 hrs
ART 1701 Architectural History 01 (Valencia College) 3 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall 19 hrs
ARC 2303 Architectural Design 03 (Valencia College) 5 hrs
ARC 2702 Architectural History 02 (Valencia College) 3 hrs
ARC 2461 Material and Methods of Construction (Valencia College) 4 hrs
MAC 1114C College Trigonometry 3 hrs
PHY 1053C Introductory Physics 01 4 hrs

Sophomore Year - Spring 13 hrs
ARC 2304 Architectural Design 04 (Valencia College) 5 hrs
ARC 2180 Introduction to Digital Architecture (Valencia College) 3 hrs
ARC 2304 Architectural Design 04 (Valencia College) 5 hrs

Junior Year - Fall 15 hrs
ARC 3320L Architectural Design 5 6 hrs
ARC 3503 Architectural Structures 3 hrs
ARC 3181 Advanced Topics in Digital Architecture 3 hrs
Upper Division Elective 3 hrs

Junior Year - Spring 15 hrs
ARC 3321L Architectural Design 6 6 hrs
ARC 3610 Environmental Technology 1 3 hrs
ARC 3743 Architectural History 3 3 hrs
Upper Division Elective 3 hrs

Junior Year - Summer 3 hrs
Upper Division Elective 3 hrs

Senior Year - Fall 15 hrs
ARC 4322L Architectural Design 7 6 hrs
ARC 4220 Architectural Theory 2 3 hrs
ARC 4620 Environmental Technology 2 3 hrs
Upper Division Elective 3 hrs

Senior Year - Spring 12 hrs
ARC 4323L Architectural Design 8 6 hrs
ARC 3483 Materials and Methods of Construction 2 3 hrs
Upper Division Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Full-Time Student: $90 per term

Art - Emerging Media Track (B.F.A.)

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to:

Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree.

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://cstore.ucf.edu/) for the minimum hardware and software specifications.

Admission Requirements
- Character Animation: students must satisfactorily complete the mandatory GRA3950 - Character Animation Portfolio Review before enrolling in any Character Animation restricted electives. The Character Animation portfolio review is only held in Spring, and typically takes place near the end of February.
- Experimental Animation: all junior level Experimental Animation students must satisfactorily complete the mandatory ART 3950- Portfolio Review before enrolling in upper division ART courses or Experimental Animation restricted electives. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Graphic Design: students must satisfactorily complete the mandatory GRA3950 - Graphic Design Portfolio Application course before enrolling in any Graphic Design restricted electives. The Graphic Design portfolio review is only held in Spring, and typically takes place near the end of February.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, DIG 3951 - Character Animation Portfolio Review, or GRA 3950 - Graphic Design Portfolio Application, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- “C-” (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
- 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, which requires a “B” (3.0) or better.
- BFA students must maintain a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in this major.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Take all of the following: 9 hrs
Required ARH 2051 History of Western Art I and 3 hrs
Required ARH 2052 History of Western Art II and 3 hrs
Select a course from group B.1 3 hrs

C: Mathematical Foundations (7 hrs)
Take all of the following: 7 hrs
Required MAC 1105C College Algebra and 3 hrs
Required MAC 1105C College Algebra and 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (18 hrs)

- ARH 2050 History of Western Art I (3 hrs)
- ARH 2051 History of Western Art II (3 hrs)
- ART 2201C Design Fundamentals - Two Dimensional (3 hrs)
- ART 2203C Design Fundamentals - Three Dimensional (3 hrs)
- ART 2300C Drawing Fundamentals I (3 hrs)
- ART 2301C Drawing Fundamentals II (3 hrs)
- GRA 2101C Introduction to Computer Art (3 hrs)

Any ART prefix, studio, or media courses at the 2000-4000 levels.

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 (3 hrs)
- MAC 1105C College Algebra (3 hrs)
- DIG 2000 Introduction to Digital Media (3 hrs)
- DIG 2030C Digital Video Fundamentals (3 hrs)
- DIG 2109C Digital Imaging Fundamentals (3 hrs)
- DIG 2000 Introduction to Digital Media (3 hrs)
- COP 2500C Concepts in Computer Science (3 hrs)

4. Core Requirements: Advanced Level (12 hrs)

- DIG 3024 Digital Cultures & Narrative (3 hrs)
- DIG 3480C Creative Computing (3 hrs)
- DIG 3525 Digital Media Production I (3 hrs)
- DIG 3480C Creative Computing (3 hrs)
- DIG 3950 Graphic Design Portfolio Application (0 hrs)
- GRA 3202C Type & Design (3 hrs)
- GRA 3803C Intermediate Computer Graphic Design (3 hrs)
- GRA 3803C Intermediate Computer Graphic Design (3 hrs)
- GRA 3112C Intermediate Graphic Design II (3 hrs)
- DIG 4800C Fundamentals of Interactive Design (3 hrs)

5. Restricted Electives (39 hrs)

- Specializations
  - Graphic Design
    - Experimental Animation Restricted Electives - 6 hours
      FIL 4735C Experimental Animation (3 hrs)
      FIL 4750C Experimental Animation Workshop (3 hrs)
    - Experimental Animation Restricted Electives - 15 hours
      Complete 15 hours of credits from the following areas:
      - Experimental Animation Restricted Electives - 6 hours
      - FIL 4735C Experimental Animation (3 hrs)
      - FIL 4750C Experimental Animation Workshop (3 hrs)
      - Experimental Animation Restricted Electives - 15 hours
      - Complete 15 hours of credits from the following areas:
      - Experimental Animation Restricted Electives - 6 hours
      - FIL 4735C Experimental Animation (3 hrs)
      - FIL 4750C Experimental Animation Workshop (3 hrs)

- Any ART prefix, studio, or media courses at the 2000-4000 levels.

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives

- Unrestricted electives - credit hours varies with specialization. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Maintain at least a “B” (3.0) GPA in all major requirements.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

124

Honors In Major

- None

Related Programs

- Art
- English - Technical Communication

Certificates

- None

Related Minors

- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

Advising Notes

- http://svad.cah.ucf.edu/students
- svadadvising@ucf.edu

Transfer Notes

- Grades less than a “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Acceptable Substitutes for Transfer Courses

- None
Plan of Study
Character Animation

**Freshman Year - Fall**  15 hrs
ARH 2050  History of Western Art I  3 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
ENC 1101  Composition I  3 hrs
MAC 1105C  College Algebra  3 hrs
GEP Science Foundation  3 hrs

**Freshman Year - Spring**  16 hrs
ARH 2051  History of Western Art II  3 hrs
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
ART 2300C  Drawing Fundamentals I  3 hrs
DIG 2030C  Digital Video Fundamentals  3 hrs
DIG 2109C  Digital Imaging Fundamentals  3 hrs
DIG 2500C  Fundamentals of Interactive Design  3 hrs

**Sophomore Year - Fall**  15 hrs
ART 2301C  Drawing Fundamentals II  3 hrs
DIG 2002  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

**Sophomore Year - Spring**  15 hrs
ART 2823  Art as Interface  3 hrs
DIG 4780C  Modeling for Realtime Systems  3 hrs
DIG 3480C  Computer as a Medium  3 hrs
GRA 2101C  Introduction to Computer Art  3 hrs

**Junior Year - Fall**  15 hrs
ENC 1102  Composition II  3 hrs
GEP Social Foundation  3 hrs
GEP Cultural & Historical Foundation  3 hrs
GEP Science Foundation  3 hrs

**Junior Year - Spring**  15 hrs
ART 3950  Portfolio Review  0 hrs
DIG 3024  Digital Cultures & Narrative  3 hrs
DIG 3435C  Look Modeling Workshop  3 hrs
DIG 4326C  Geometrical Modeling Workshop  3 hrs
FIL 3720C  Introduction to Animation  3 hrs

**Senior Year - Fall**  12 hrs
ARH 2050  History of Western Art I  3 hrs
ENC 1101  Composition I  3 hrs
MAC 1105C  College Algebra  3 hrs
GEP Cultural & Historical Foundation  3 hrs
GEP Social Foundation  3 hrs

**Senior Year - Spring**  12 hrs
ART 2823  Art as Interface  3 hrs
COP 2500C  Concepts in Computer Science  4 hrs
ENC 1102  Composition II  3 hrs
GRA 2101C  Introduction to Computer Art  3 hrs

**Graphic Design**

**Freshman Year - Fall**  15 hrs
ART 2050  History of Western Art I  3 hrs
ENC 1101  Composition I  3 hrs
MAC 1105C  College Algebra  3 hrs
GEP Cultural & Historical Foundation  3 hrs
GEP Social Foundation  3 hrs

**Freshman Year - Spring**  16 hrs
ARH 2051  History of Western Art II  3 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
DIG 2000  Introduction to Digital Media  3 hrs
GEP Communication Foundation  3 hrs

**Sophomore Year - Fall**  15 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
ART 2300C  Drawing Fundamentals I  3 hrs
DIG 2030C  Digital Video Fundamentals  3 hrs
DIG 2109C  Digital Imaging Fundamentals  3 hrs
DIG 2500C  Fundamentals of Interactive Design  3 hrs

**Sophomore Year - Spring**  15 hrs
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
ART 2301C  Drawing Fundamentals II  3 hrs
DIG 2030C  Digital Video Fundamentals  3 hrs
DIG 2109C  Digital Imaging Fundamentals  3 hrs
DIG 2500C  Fundamentals of Interactive Design  3 hrs

**Junior Year - Fall**  15 hrs
ART 3643C  Digital Effects & Compositing  3 hrs
ART 3950  Portfolio Review  0 hrs
DIG 3024  Digital Cultures & Narrative  3 hrs
DIG 4326C  Geometrical Modeling Workshop  3 hrs
FIL 3720C  Introduction to Animation  3 hrs

**Junior Year - Spring**  12 hrs
ART 4935  BFA Exhibit/Seminar  3 hrs
FIL 4750C  Experimental Animation Workshop  3 hrs
Any 2000-4000 Level Art Studio or Media Course  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Sophomore Year - Summer 8 hrs
Foreign Language Elementary Level I 4 hrs
Foreign Language Elementary Level II 4 hrs

Junior Year - Fall 15 hrs
ARH 2500 History of Non-Western Art 3 hrs
DIG 3480C Computer as a Medium 3 hrs
GRA 3102C Intermediate Graphic Design I 3 hrs
GRA 3202C Type & Design 3 hrs
GRA 3950 Graphic Design Portfolio Application 0 hrs
Any 2000-4000 Level Art Studio or Media Course 3 hrs

Junior Year - Spring 15 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
GRA 3112C Intermediate Graphic Design II 3 hrs
GRA 3803C Intermediate Computer Graphic Design 3 hrs
Restricted Elective 3 hrs
ARH Upper Level Restricted Elective 3 hrs

Senior Year - Fall 15 hrs
DIG 3024 Digital Cultures & Narrative 3 hrs
GRA 4196C Advanced Graphic Design 3 hrs
ARH Upper Level Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Senior Year - Spring 12 hrs
DIG 3525 Digital Media Production I 3 hrs
GRA 4107C Special Problems in Graphic Design 3 hrs
Restricted Elective 3 hrs
ARH Upper Level Restricted Elective 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/academiclearningcompacts.html
Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
- Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
Required ARH 2050 History of Western Art I 3 hrs
Required ARH 2051 History of Western Art II 3 hrs
Select a course from group B.1 3 hrs

C: Mathematical Foundations (6 hrs)
Math: 3 hrs
Suggested MGF 1106 Finite Mathematics or
Suggested MGF 1107 Explorations in Mathematics or
You may substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics - Computers 3 hrs
Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
ARH 4310 Italian Renaissance Art 3 hrs
ARH 4430 19th Century Art 3 hrs
ARH 4450 20th Century Art 3 hrs
ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
ENC 3315 Argumentative Writing 3 hrs

5. Restricted Electives (24 hrs)
Select one Non-Western/Ancient Art History course from the following: 3 hrs
ARH 4390 20th Century Latin American Art 3 hrs
ARH 4130 Greek Art and Architecture 3 hrs
ARH 4150 Roman Art and Architecture 3 hrs
ARH 4540 Art of India 3 hrs
ARH 4653 Meso American Art 3 hrs

One of the following courses: 3 hrs
ARH 4200 Medieval Art 3 hrs
ARH 4350 Baroque Art 3 hrs
ARH 4871 Women in Art 3 hrs

Select 18 additional hours from the following: 18 hrs
ARH 3471 Art in the Last 25 Years 3 hrs
ARH 3610 American Art 3 hrs
ARH 3670 20th Century Latin American Art 3 hrs
ARH 3710 History of Photography I 3 hrs
ARH 3713 20th Century Photographic History 3 hrs
ARH 3720 History of Prints 3 hrs
ARH 3728 History of Illustration 3 hrs
ARH 3820 Visual Arts Administration Vitas 3 hrs
ARH 4130 Greek Art and Architecture 3 hrs
ARH 4150 Roman Art and Architecture 3 hrs
ARH 4540 Art of India 3 hrs
ARH 4653 Meso American Art 3 hrs
ARH 4871 Women in Art 3 hrs
ARH 5897 Advanced Seminar in Art History 3 hrs
ARH 3XXX-4XXX Additional Art History course 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to three semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor.
- Standardized examinations for foreign languages may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve at least a "C" (2.0) GPA average in courses in the major.
- Computer Competency met by one of the following:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Art Education
- Art - Studio Art Track
- Art - Visual Arts and Emerging Media Management Track
- Certificates
- None

**Related Minors**
- Art - Studio
- Community Arts - PAVE

**Advising Notes**
- [http://svad.cah.ucf.edu/students](http://svad.cah.ucf.edu/students)
- [svadadvising@ucf.edu](mailto:svadadvising@ucf.edu)

**Transfer Notes**
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

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<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>ARH 2050 History of Western Art I 3 hrs</td>
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<tr>
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<td>ENC 1101 Composition I 3 hrs</td>
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<td>GEP Social Foundation 3 hrs</td>
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<td>GEP Mathematical Foundation 3 hrs</td>
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<td>Elective 3 hrs</td>
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<td>Freshman Year - Spring</td>
<td>ARH 2500 History of Non-Western Art 3 hrs</td>
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<td>ENC 1102 Composition II 3 hrs</td>
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<td>GEP Mathematical Foundation 3 hrs</td>
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<td>GEP Social Foundation 3 hrs</td>
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<td>Freshman Year - Summer</td>
<td>Foreign Language Elementary Level I 4 hrs</td>
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<td>Foreign Language Elementary Level II 4 hrs</td>
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<td>Sophomore Year - Fall</td>
<td>ART 2201C Design Fundamentals-Two Dimensional 3 hrs</td>
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<td>ENC 3315 Argumentative Writing 3 hrs</td>
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<td>GEP Science Foundation 3 hrs</td>
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<td>ARH 4310 Italian Renaissance Art 3 hrs</td>
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<td>Upper Level Elective 3 hrs</td>
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<td>ARH (Non-Western/Ancient) 3 hrs</td>
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<td>Junior Year - Spring</td>
<td>ARH 4310 Italian Renaissance Art 3 hrs</td>
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<td>Senior Year - Fall</td>
<td>ARH 4800 Theory and Criticism of the Visual Arts 3 hrs</td>
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**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/academiclearningcompacts.html](http://www.oecs.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

**Art - Studio Art Track (B.F.A.)**

**College of Arts and Humanities**

**School of Visual Arts and Design**

**Visual Arts Building, Room: 117**


Email: svadadvising@ucf.edu

Phone: 407-823-2676

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

**Admission Requirements**
- All students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review may continue in the Art History or the Visual Art and Emerging Media Management tracks.
- Students may apply to the BFA Program as early as the first semester of their Junior year if they maintain a 3.0 overall average in upper level courses in the major. Students who do not meet these requirements may petition the BFA committee for acceptance.
**UCF Degree Programs**

- "C-" (1.75) or below grades from other institutions do not meet departmental requirements.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog by filing a catalog year change with their degree change form.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000–4000 level courses taken from the School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Grades below "C" (2.0) in lower level ART or ARH courses do not satisfy major requirements.
- BFA students must maintain a 3.0 GPA in all major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor, and an advisor in their studio 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)

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take all of the following: 9 hrs</td>
<td></td>
</tr>
<tr>
<td>Required ARH 2050 History of Western Art I and 3 hrs</td>
<td>Required ARH 2051 History of Western Art II and 3 hrs</td>
</tr>
<tr>
<td>Select a course from group B.1 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>ARH 2050 History of Western Art I</th>
<th>GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 2201C Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2202C Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Any ART prefix, studio, or media courses at the 2000-4000 level</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

### 3. Core Requirements: Basic Level (6 hrs)

| ARH 2500 History of Non-Western Art | 3 hrs |
| ART 2823 Art as Interface | 3 hrs |

### 4. Core Requirements: Advanced Level

| ART 3950 Portfolio Review | 0 hrs |

### 5. Restricted Electives (42 hrs)

#### a. Specialization: 18 hrs

- Select six upper division courses from one area:

<table>
<thead>
<tr>
<th>Book Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3170C Book Binding or 3 hrs</td>
</tr>
<tr>
<td>ART 3171C Materials for Artist Books or 3 hrs</td>
</tr>
<tr>
<td>ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs</td>
</tr>
<tr>
<td>ART 3176C The Illuminated Book or 3 hrs</td>
</tr>
<tr>
<td>ART 3737C Narrative Sculpture or 3 hrs</td>
</tr>
<tr>
<td>ART 4172C Book Repair and Restoration or 3 hrs</td>
</tr>
<tr>
<td>ART 4173C The Artist Book or 3 hrs</td>
</tr>
<tr>
<td>ART 4174C The Printed Book or 3 hrs</td>
</tr>
<tr>
<td>ART 4177C Commercial Book Design and Publishing or 3 hrs</td>
</tr>
<tr>
<td>ART 4644C Books Without Books 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ceramics/Sculpture Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3761C Intermediate Ceramics or 3 hrs</td>
</tr>
<tr>
<td>ART 3764C Ceramic Handbuilding I or 3 hrs</td>
</tr>
<tr>
<td>ART 4783C Advanced Ceramics or 3 hrs</td>
</tr>
<tr>
<td>ART 4786C Ceramic Raw Material or 3 hrs</td>
</tr>
<tr>
<td>ART 3709C Intermediate Sculpture or 3 hrs</td>
</tr>
<tr>
<td>ART 4710C Advanced Sculpture 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drawing</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3332C Intermediate Drawing or 3 hrs</td>
</tr>
<tr>
<td>ART 4320C Advanced Drawing 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drawing/Printmaking Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3332C Intermediate Drawing or 3 hrs</td>
</tr>
<tr>
<td>ART 4320C Advanced Drawing or 3 hrs</td>
</tr>
<tr>
<td>ART 3433C Screenprinting or 3 hrs</td>
</tr>
<tr>
<td>ART 4402C Advanced Printmaking 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drawing/Illustration Combination</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3332C Intermediate Drawing or 3 hrs</td>
</tr>
<tr>
<td>ART 4320C Advanced Drawing or 3 hrs</td>
</tr>
<tr>
<td>GRA 3747C Intermediate Illustration I or 3 hrs</td>
</tr>
<tr>
<td>GRA 4154C Advanced Illustration 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Painting</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 3504C Intermediate Painting or 3 hrs</td>
</tr>
<tr>
<td>ART 4505C Advanced Painting 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photography</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 3410C Intermediate Photography or 3 hrs</td>
</tr>
<tr>
<td>PGY 4420C Advanced Photography or 3 hrs</td>
</tr>
<tr>
<td>PGY 4440C Special Problems in Photography 3 hrs</td>
</tr>
</tbody>
</table>

1 May be repeated for credit.

#### b. Electives in Art: 15 hrs

- Select five Art courses; two of which may be lower division.
- Select from at least three of the following areas, excluding the area of specialization: Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

#### c. Additional Electives 9 hrs

- Select three upper division Art History courses or
- Select one upper division course in Art History or Humanities and a maximum of six hours of Independent Study, Practicum, and Internship are permitted.

### 6. Capstone Requirements

- None.

#### 7. Foreign Language Requirements

<table>
<thead>
<tr>
<th>Admissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Met by graduation requirement</td>
</tr>
</tbody>
</table>

Graduation

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the requirement.

#### 8. Electives

- Select primarily from upper level courses, with school advisor’s approval. May be outside of the department.

#### 9. Additional Requirements

- None

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements (3 hrs)

- ART 4935 BFA Exhibit/Seminar required. (BFA Exhibit Seminar is only offered during Spring Semester.)
- Maintain at least a “B" (3.0) GPA in all major requirements.
- 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 1063C or GRA 2101C.

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
### Plan of Study

**Sophomore Year - Spring**
- ARH 2201C  Design Fundamentals-Two Dimensional  3 hrs
- ENC 1101  Composition I  3 hrs
- GEP Mathematical Foundation  3 hrs
- GEP Social Foundation  3 hrs
- Elective  3 hrs

**Sophomore Year - Fall**
- ARH 2050  History of Western Art I  3 hrs
- ARH 2051  History of Western Art II  3 hrs
- ART 2203C  Design Fundamentals-Two Dimensional  3 hrs
- ART 2204C  Design Fundamentals-Three Dimensional  3 hrs
- GEP Communication Foundation  3 hrs
- GEP Science Foundation  3 hrs

**Junior Year - Fall**
- ART 3950 - Portfolio Review  0 hrs
- ARH Upper Level Restricted Elective  3 hrs
- Foreign Language Elementary Level I  4 hrs
- Foreign Language Elementary Level II  4 hrs
- Specialization Restricted Elective  3 hrs
- Any 2000-4000 Level Art Studio or Media Course  3 hrs

**Junior Year - Spring**
- ARH Upper Level Restricted Elective  3 hrs
- Foreign Language Elementary Level I  4 hrs
- Specialization Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs

**Senior Year - Fall**
- ARH Upper Level Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs
- Upper Level Restricted Elective  3 hrs

**Senior Year - Spring**
- ART 4935  BFA Exhibit/Seminar  3 hrs
- Restricted Elective  3 hrs
- Specialization Restricted Elective  3 hrs
- Upper Level Elective  3 hrs

### 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.

### Admission Requirements
- All students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. This portfolio is typically submitted the semester prior to enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Note: One-on-one portfolio reviews are not possible due to the large number of received portfolios.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Arts and Design. Nine of these hours must be in an area of specialization.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a School advisor at least once annually.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Required ARH 2050 History of Western Art I</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>

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

### Note
- Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### School of Visual Arts and Design

**Art - Studio Track (B.A.)**

**College of Arts and Humanities**

**School of Visual Arts and Design,**

**Visual Arts Building, Room: 117**

**http://svad.cah.ucf.edu/**

**Email: svadadvising@ucf.edu**

Phone: 407-823-2676

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

### Related Programs
- **Art - History Track**
- **Art - Emerging Media Track**
- **Art - Studio Track**

### Related Minors
- **Community Arts - PAVE**

### Certificates
- **None**

### Transfer Notes
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

### Additional Information
- Students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.
### UCF Degree Programs

#### Art History
- **Core Requirements: Basic Level**
  - **(6 hrs)**
    - ARH 2500 History of Non-Western Art 3 hrs
    - ART 2823 Art as Interface 3 hrs
    - ART 3950 Portfolio Review 0 hrs

- **Core Requirements: Advanced Level**
  - **(27 hrs)**
    - Select nine upper division courses representative from at least three different areas:
      - **Art History**
        - Any upper-division ARH course(s)

#### Book Arts
- **(6 hrs)**
  - ART 3170C Book Binding 3 hrs
  - ART 3171C Materials for Artist Books 3 hrs
  - ART 3175C Advanced Issues in Contemporary Book Arts 3 hrs
  - ART 3176C The Illuminated Book 3 hrs
  - ART 3703C Narrative Sculpture 3 hrs
  - ART 4172C Book Repair and Restoration 3 hrs
  - ART 4173C The Artist Book 3 hrs
  - ART 4174C The Printed Book 3 hrs
  - ART 4177C Commercial Book Design and Publishing 3 hrs
  - ART 4644C Books Without Books 3 hrs

  \( \dagger \) May be repeated for credit.

#### Ceramics
- **(3 hrs)**
  - ART 3761C Intermediate Ceramics 3 hrs
  - ART 4783C Advanced Ceramics 3 hrs

  \( \dagger \) May be repeated for credit.

#### Drawing and Printmaking
- **(3 hrs)**
  - ART 3332C Intermediate Drawing 3 hrs
  - ART 4333C Screenprinting 3 hrs
  - ART 4320C Advanced Drawing 3 hrs
  - ART 4402C Advanced Printmaking 3 hrs

  \( \dagger \) May be repeated for credit.

#### Illustration
- **(3 hrs)**
  - GRA 3747C Intermediate Illustration I 3 hrs
  - GRA 4154C Advanced Illustration 3 hrs

  \( \dagger \) May be repeated for credit.

#### Painting
- **(3 hrs)**
  - ART 3504C Intermediate Painting 3 hrs
  - ART 4505C Advanced Painting 3 hrs

  \( \dagger \) May be repeated for credit.

#### Photography
- **(3 hrs)**
  - PGY 3410C Intermediate Photography 3 hrs
  - PGY 4420C Advanced Photography 3 hrs
  - PGY 4440C Special Problems in Photography 3 hrs

  \( \dagger \) May be repeated for credit.

#### Sculpture
- **(3 hrs)**
  - ART 3709C Intermediate Sculpture 3 hrs
  - ART 4710C Advanced Sculpture 3 hrs

  \( \dagger \) May be repeated for credit.

### Time Arts
- **(3 hrs)**
  - ART 3161 Mixed Media 3 hrs
  - ART 3833C Processes and Ideas in Art 3 hrs
  - ART 4634C Web Art 3 hrs
  - ART 4735C Experimental Animation 3 hrs
  - ART 4750C Experimental Animation Workshop 3 hrs

  \( \dagger \) May be repeated for credit.

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- 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.

#### Graduation
- Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Directed Research, or Internship permitted.)

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve at least a GPA (2.0) overall in courses within the major.
- Computer Competency met by:
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

### 12. University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in residency at UCF.**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.**
- **Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.**

### 13. Total Semester Hours Required
- **120**

### 14. Honors In Major
- None

### 15. Related Programs
- Art Education
- Art - Emerging Media Track

### 16. Certificates
- None

### 17. Related Minors
- Digital Media

### Advising Notes
- [http://svad.cah.ucf.edu/students](http://svad.cah.ucf.edu/students)
- [svadadvising@ucf.edu](mailto:svadadvising@ucf.edu)

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
For common program prerequisites if taken.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PGY 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

[1] May be substituted with:
Plan of Study

Freshman Year - Fall 12 hrs
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- GEP Cultural & Historical Foundation 3 hrs

Freshman Year - Spring 15 hrs
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2823 Art as Interface 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
- ART 2500 History of Non-Western Art 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- GEP Science Foundation 3 hrs
- GEP Social Foundation 3 hrs

Sophomore Year - Spring 15 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- GEP Communication Foundation 3 hrs
- GEP Science Foundation 3 hrs
- GEP Social Foundation 3 hrs

Junior Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ART 3950 Portfolio Review 0 hrs
- Foreign Language Elementary Level I 4 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Junior Year - Spring 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Foreign Language Elementary Level II 4 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs
- Restricted Elective 3 hrs
- Any 2000-4000 Level Art Studio or Media Course 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Visual Arts and Emerging Media Management

Track (B.A.)

College of Arts and Humanities
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To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models. Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)

   Take all of the following: 9 hrs
   - Suggested ARH 2050 History of Western Art I and 3 hrs
   - Suggested ARH 2051 History of Western Art II and 3 hrs
   - Select a course from group B.1 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   - Suggested ART 2203C Design Fundamentals-Three Dimensional 3 hrs
   - Suggested ART 2300C Drawing Fundamentals I 3 hrs
   - ART 2823 Art as Interface 3 hrs

   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.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Visual Arts and Emerging Media Management

Track (B.A.)

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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.
UCF Degree Programs

5. Restricted Electives (21 hrs)
   - Select restricted electives as required from each of these four areas of emphasis:
   - Aesthetics and Theory 6 hrs
     Select 2: 6 hrs
     ARH 4450 20th Century Art or 3 hrs
     ARH 3471 Art in the Last 25 Years or 3 hrs
     ARH 3710 History of Photography I or 3 hrs
     ARH 3711 History of Photography II or 3 hrs
     ARH 3720 History of Prints or 3 hrs
     ARH 4000 Theory and Criticism of the Visual Arts 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 Essay as Cultural Commentary or 3 hrs
     ENC 4416 Writing in Digital Environments 3 hrs
   - Information Management 6 hrs
     Select 2: 6 hrs
     DIG 3043 Evolution of Video Games or 3 hrs
     DIG 3525 Digital Media Production I or 3 hrs
     DIG 3480C Computer as a Medium or 3 hrs
     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 or 3 hrs
     FIL 4040 Animation Film History for Non Film Majors 3 hrs
   - Arts Management 3 hrs
     Select one:
     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.
   - Business 3 hrs
     Select 1: 3 hrs
     ENT 3613 Creativity and Entrepreneurship or 3 hrs
     MAR 3023 Marketing or 3 hrs
     MAN 3025 Management of Organizations or 3 hrs
     BUL 3130 Legal and Ethical Environment of Business 3 hrs
   - Information Technology 3 hrs
     Select 1: 3 hrs
     DIG 3525 Digital Media Production I or 3 hrs
     DIG 3716C Internet Interaction or 3 hrs
     DIG 4630C Media Business Practices or 3 hrs
     DIG 5565C Digital Asset Management Systems or 3 hrs
   - Visual Communications 3 hrs
     Select 1: 3 hrs
     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.

6. Capstone Requirements
   - DIG 4855 Converging Media Capstone 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Met by graduation requirement
   - Graduation
     - Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies.
     - Standardized examinations for foreign languages may be used to meet the requirement.
   - Electives
     - (Credit hours are variable)
     - Select primarily from upper level courses, with school advisor's approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, or Internship permitted)
   - Additional Requirements
     - None
   - Required Minors
     - None
   - Departmental Exit Requirements
     - None

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - Art - History Track
   - Art - Studio Art Track
   - Art Education

Certificates
   - None

Related Minors
   - Community Arts - PAVE
   - Digital Media
   - Technological Entrepreneurship

Advising Notes
   - http://svad.cah.ucf.edu/students
   - svadadvising@ucf.edu

Transfer Notes
   - Grades less than a “C” (2.0) are not accepted.
   - Lower division courses do not substitute for upper division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide 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
   - ENC 1101 Composition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - GEP Social Foundation 3 hrs

Freshman Year - Spring 15 hrs
   - ARH 2051 History of Western Art II 3 hrs
   - ENC 1102 Composition II 3 hrs
   - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
   - ART 2823 Art as Interface 3 hrs
   - GEP Social Foundation 3 hrs

Sophomore Year - Fall 15 hrs
   - ARH 2500 History of Non-Western Art 3 hrs
   - ART 2300C Design Fundamentals I 3 hrs
   - ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   - GEP Communication Foundation 3 hrs
   - GEP Science Foundation 3 hrs

Sophomore Year - Spring 15 hrs
   - ART 2203C Design Fundamentals-Three Dimensional 3 hrs
   - ART 2301C Drawing Fundamentals II 3 hrs
   - GRA 2101C Introduction to Computer Art 3 hrs
   - GEP Science Foundation 3 hrs
   - GEP Cultural & Historical Foundation 3 hrs

Junior Year - Fall 16 hrs
   - GEB 3031 Integrated Business Foundations 3 hrs
   - Foreign Language Elementary Level I 4 hrs
   - Restricted Elective 3 hrs
   - Upper Level Elective 3 hrs
   - Upper Level Elective 3 hrs
Junior Year - Spring 19 hrs
- Foreign Language Elementary Level II 4 hrs
- Elective 3 hrs
- Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
Seniors Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs
Senior Year - Spring 15 hrs
- DIG 4855 Converging Media Capstone 3 hrs
- Elective 3 hrs
- Restricted Elective 3 hrs
- Upper Level Elective 3 hrs
- Upper Level Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Thomas Brewer, ED 122U, Thomas.Brewer@ucf.edu, 407-823-3714
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Art Education B.S. program offers students the option of two tracks: Art Education - Education Track and Art Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are strongly advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Required ARH 2050 History of Western Art I 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: (9 hrs)
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

Select 1: (3 hrs)
- Prefer ANT 2511 The Human Species or
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1: (6 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
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II 3 hrs

Select 1: (3 hrs)
- Preferred ARH 2052 History of Ancient Art
- Preferred ARH 2053 History of Modern Art

1.5 hours in the humanities that are predominantly literature, visual and fine arts, music or foreign language are required.

Lab Fee
- Full-Time Student: $63 per term
- Part-Time Student: $31.50 per term

Marketing
- DIG 4855 Converging Media Capstone 3 hrs

Upper Level Elective 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- MHS 2330 Career Planning 3 hrs

Select 1: (6 hrs)
- MHS 2330 Career Planning 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs
- ART 2754C Beginning Ceramics 3 hrs
- ART 2500C Beginning Painting 3 hrs
- ART 2401C Beginning Photography 3 hrs

Lifelong Learning Track (non-certification) 6 hrs

Select 1: (3 hrs)
- EDF 2130 Child and Adolescent Development for Educators or
- EDP 2270 Adult Development & Learning 3 hrs
UCF Degree Programs

4. Core Requirements: Advanced Level (42 hrs)
- Education Track requires 54 semester hours
- Lifelong Learning Track requires 42 semester hours

Education Core Requirements 15 hrs
- Education Track requires 15 semester hours of
- Lifelong Learning Track requires 18 semester hours of

Education Core Requirements
- EDG 4410 Teaching Strategies and Classroom 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Lifelong Learning Track
- EX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

1 Prerequisite for Internship I (Education Track Only)

Education Track Specialization Requirements 24 hrs
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ARE 4250 Art for Exceptionalities 3 hrs
- ARE 4453 Studio Experiences in Art Education 3 hrs
- Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval) 9 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 and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- ARE 3940 Internship 3 hrs

Internship II 12 hrs
- All art courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Art K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education rule 6A-5.066.
- ARE 4941 Internship 12 hrs

Lifelong Learning Track Specialization 24 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
- ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ARE 4351 Teaching Art in the Elementary School 3 hrs
- ARE 4352 Teaching Art in the Secondary School 3 hrs
- ARE 4453 Studio Experiences in Art Education 3 hrs
- EDG 4941 Directed Field Experience 1 hr
- EDG 4948 Service Learning 3 hrs
- DIG 3525 Digital Media Production I 3 hrs
- DIG 2000 Introduction to Digital Media 3 hrs
- DIG 2030C Digital Video Fundamentals 3 hrs
- DIG 2109C Digital Imaging Fundamentals 3 hrs
- DIG 2500C Fundamentals of Interactive Design 3 hrs
- DIG 3811 User-Centered Design 3 hrs
- DEP 2004C Developmental Psychology 3 hrs
- DEP 3202 Psychology of Exceptional Children 3 hrs
- DEP 3464 Psychology of Aging 3 hrs
- EXP 3604C Cognitive Psychology 4 hrs
- EXP 3250 Principles of Human Factors Psychology 3 hrs
- EAB 3703 Principles of Behavior Modification 4 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 4101 Human Relations in Management 3 hrs
- MAR 4032 Marketing 3 hrs
- ECT 4184 Curriculum Development Techniques 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry Training 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 3798 Fairs and Festivals 3 hrs
- HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

Graduation
- Education Track requires 126 total semester hours
- Lifelong Learning Track requires 120 semester hours

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.
### Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- Education Track requires 126 total semester hours
- Lifelong Learning Track requires 120 semester hours
- Consult with your Education advisor and review your degree audit for more recent information.

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- The program of study will be affected by course offerings and availability. Please see the Art Education website at http://education.ucf.edu/arted/ for the advising policy.

### Freshman Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- PSY 2012 General Psychology 3 hrs

### Sophomore Year - Fall
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

### Junior Year - Fall
- ART 2300C Drawing Fundamentals II 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- ART 2500C Beginning Painting 3 hrs

### Sophomore Year - Spring
- ASA 2101C Introduction to Computer Art 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

### Senior Year - Spring
- MUL 1010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

### Education Track
-内の曜日和日
- Lifelong Learning Track
- Choose a Lifelong Learning Specialization course 3 hrs

### Lifelong Learning Track
- Choose a Lifelong Learning Specialization course 3 hrs

### Senior Year - Fall
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

### Education Track
- ARE 4352 Teaching Art in the Secondary School and 3 hrs
- ARE 4250 Art for Exceptionalities and 3 hrs
- ARE 4453 Studio Experiences in Art Education and 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Lifelong Learning Track
- MHS 2330 Career Planning and 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings and 3 hrs
- Choose a Lifelong Learning Specialization course 3 hrs

### Lifelong Learning Track Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

### Junior Year - Summer
- ART 2754C Beginning Ceramics 3 hrs

### Education Track
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Lifelong Learning Track
- Choose a Lifelong Learning Specialization course 3 hrs

### Senior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

### Education Track
- ARE 4351 Teaching Art in the Elementary School and 3 hrs
- ARE 3940 Internship and 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Education Track
- Choose Lifelong Learning Specialization courses 9 hrs

### Senior Year - Spring
- RED 4080 Theory and Practice of Teaching ESOL 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- Junior Year - Fall
- EDF 2045 Beginning Photography 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- ART 2500C Beginning Painting 3 hrs

### Education Track
- ARE 4365 Teaching Art Appreciation & Criticism in the Classroom 3 hrs

### Lifelong Learning Track
- Choose a Lifelong Learning Specialization course 3 hrs

### Junior Year - Spring
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

### Education Track
- ARE 4352 Teaching Art in the Secondary School and 3 hrs
- ARE 4250 Art for Exceptionalities and 3 hrs
- ARE 4453 Studio Experiences in Art Education and 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Lifelong Learning Track
- MHS 2330 Career Planning and 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings and 3 hrs
- Choose a Lifelong Learning Specialization course 3 hrs

### Lifelong Learning Track Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

### Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

### Junior Year - Summer
- ART 2754C Beginning Ceramics 3 hrs

### Education Track
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Lifelong Learning Track
- Choose a Lifelong Learning Specialization course 3 hrs

### Senior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

### Education Track
- ARE 4351 Teaching Art in the Elementary School and 3 hrs
- ARE 3940 Internship and 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

### Lifelong Learning Track
- Choose Lifelong Learning Specialization courses 9 hrs

### Senior Year - Spring
- RED 4080 Theory and Practice of Teaching ESOL 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs

### Education Track
- Choose Lifelong Learning Specialization courses 9 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html

### Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term
Admission Requirements

- Students may only begin the Athletic Training Program in the Summer B semester.
- A separate application to this competitive restricted access program must be made to the Athletic Training Program by March 1st. Acceptance into the University for the summer semester is necessary before acceptance into the Athletic Training Program can occur. Acceptance into the University does not constitute acceptance into the Athletic Training Program.

- Students must meet the following requirements: a minimum of a 2.75 overall grade point average after all transfer courses are evaluated; a minimum grade of "C" (2.0) in the Common Program Prerequisites (CPP); and a minimum of 100 documented clock hours volunteering/shadowing with a certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a high school, college, and/or professional setting.

- Completion of an AA degree from a Florida College or completion of UCF's General Education Program (GEP) must occur before beginning the Athletic Training Program.

- The Athletic Training Program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program.

Technical Standards Requirement

- The Americans with Disabilities Act of 1990 provides comprehensive civil rights protection to people with disabilities. The ADA "prohibits all programs or activities receiving federal financial assistance from discrimination against individuals with disabilities who are 'otherwise qualified' to participate in those programs". However, there are essential requirements needed in order for a person to meet the standard of care for the athletic training profession and meet licensing/certification requirements. The Supreme Court has stated that physical qualifications could lawfully be considered as "technical standard(s) for admission".

- The institution/program may not exclude an 'otherwise qualified' applicant due to a disability if the institution/program can reasonably modify the program or facilities to accommodate the student with the disability. The institution/program is not required to "fundamentally alter" the program nor create an "undue burden" on itself.

- The Athletic Training Program at the University of Central Florida is a rigorous and intense program that places specific requirements and demands on students. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Program establish the physical, cognitive, and attitudinal abilities considered necessary for an entry level athletic trainer. Further, the technical standards attempt to reflect the necessary skills and abilities needed to meet the expectations of the Program's accrediting agency (Commission on Accreditation of Athletic Training Education, or CAATE) and the Board of Certification (BOC(c)) Practice Analysis.

- The following abilities and expectations must be met by all students admitted to and matriculating through the UCF Athletic Training Program:
  1. Students must possess the mental capacity (without assistance from an intermediary) to integrate, synthesize, analyze, and problem solve in order to effectively examine and treat patients with injuries and illnesses. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  2. Students must possess sufficient cognitive, postural and neuromuscular control, sensory function, ambulation, and coordination to perform appropriate patient examinations and interventions using accepted techniques, as well as accurately, safely, and efficiently use equipment and materials for such purposes. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  3. Students must annually pass examinations by external entities such as CPR for the Professional Rescuer (or similar certification) and OSHA Bloodborne Pathogens Training.
  4. Students must possess the ability to communicate (orally and in writing) effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds. This includes, but is not limited to, the ability to establish rapport with patients and communicate/document judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice. Students must be able to perform the above quickly in an emergency situation and it a timely manner otherwise.
  5. Students must be able to document appropriate vaccinations applicable to healthcare professionals and maintain appropriate personal hygiene conducive to the classroom and clinical setting.
  6. Students must have the capacity to maintain composure, exercise good judgment, and perform within the standard of care for a student of the same educational level during periods of high stress.

- Applicants to the Athletic Training Program will be required to verify that they understand and meet the above technical standards or that they believe that, with certain accommodations, they can meet these standards.

- The University of Central Florida's Student Disability Services will evaluate a student who states he/she qualifies as a disability under applicable laws. A review of the following will occur: whether the accommodation(s) requested is reasonable; whether accommodation would jeopardize clinician-patient safety; and whether the accommodation will jeopardize the educational process of the student (including all coursework, clinical experiences, and internships deemed essential to graduation). Compliance with the Program's technical standards does not guarantee a student's eligibility for the BOC(c) certification exam.

- Students with a concern, should contact the BOC(c) for the specific technical standards needed to take the certification examination (bocatc.org).

Degree Requirements

- Students who are accepted into the Program in Athletic Training must adopt the most current catalog.

- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Athletic Training Program, students must consult the Clinical Education Coordinator and/ or Program Director well in advance of any potential scheduling conflict.
The courses designated in sections 1 and 2 below may be taken at any Florida College System or State University System institution, and should usually be completed in the first 60 hours.

Graduates are eligible to apply to take the Board of Certification (BOC(c)) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Athletic Training Program.

1. **UCF General Education Program (GEP)** (38 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
     - Required STA 2023 Statistical Methods I 3 hrs
     - Suggested MAC 1114C College Trigonometry 3 hrs
   - **D: Social Foundations** (6 hrs)
     - Required PSY 2012 General Psychology 3 hrs
   - **E: Science Foundations** (8 hrs)
     - Required BSC 2010C Biology I 4 hrs
     - Select 1: 3 hrs
       - Suggested CHM 1032 General Chemistry or 3 hrs
       - Suggested CHM 2045C College Trigonometry 4 hrs

2. **Common Program Prerequisites (CPP)** (15 hrs)
   - The following courses are required before entering 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.

3. **Core Requirements: Basic Level**
   - None

4. **Core Requirements: Advanced Level** (62 hrs)
   - **Professional Phase**
     - The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.
     - ATR 4014C Principles of Athletic Training Lab 3 hrs
     - ATR 3102 Principles of Athletic Training 3 hrs
     - ATR 3012C Clinical Skills for Athletes I 3 hrs
     - ATR 3812L Practicum in Athletic Training I 4 hrs
     - ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
     - PET 4315C Biomechanics of Sport 3 hrs
     - ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
     - ATR 3013 Clinical Skills for Athletes II 3 hrs
     - ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
     - ATR 4302C Therapeutic Modalities in Athletic Training 4 hrs
     - ATR 4512C Organization and Administration of Athletic Training 3 hrs
     - PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
     - ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
     - ATR 4832L Practicum in Athletic Training III 4 hrs
     - PET 4606 Applied Fitness in Sport 3 hrs
     - ATR 4842L Practicum in Athletic Training IV 4 hrs
     - ATR 4103 Case Studies in Sports Medicine 3 hrs
     - ATR 4933 Athletic Training Seminar 1 hr
     - ATR 4112L Acute Care in Athletic Training 1 hr

5. **Restricted Electives**
   - None

6. **Capstone Requirements**
   - None

7. **Foreign Language Requirements**
   - **Admissions**
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - **Graduation**
     - None

8. **Electives**
   - Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport and Exercise Science.
     - ATR 4940 Athletic Training Elective Internship 0 hrs

9. **Additional Requirements**
   - None

10. **Required Minors**
    - None

11. **Departmental Exit Requirements**
    - A minimum overall GPA of 2.75
    - A minimum grade of “C” (2.0) in Common Program Prerequisite (CPP) and core requirement courses.
    - Two years of successful clinical rotation under the direct supervision of an approved preceptor.

12. **University Minimum Exit Requirements**
    - A 2.0 UCF GPA
    - 48 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- Qualified students are encouraged to participate in Honors in the Major. Interested students should consult with the Program Director.

**Related Programs**
- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

**Certificates**
- None

**Related Minors**
- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.

**Advising Notes**
- Students should consult a departmental advisor regarding chemistry selection. CHM 2045 is the preferred chemistry course for students who intend to apply to graduate professional healthcare programs (e.g., physical therapy, physician assistant, medical).
UCF Degree Programs

Transfer Notes
- When possible, students should complete an Associate of Arts (AA) degree and the Common Program Prerequisites (CPP) before transferring into the Florida College System or State University System.
- Students who transfer with an Associate of Arts (AA) degree and will be pursuing a Bachelor of Science degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses
- The Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) requirements can be satisfied by taking: both Human Anatomy and Physiology I and Human Anatomy and Physiology II (BSC X093 + L and X094 + L; or BSC X085 + L/C and X086 + L/C); or by taking both PET X322C and PET X323C; or by taking both APK X100C and APK X105C.
- Biology I with Lab (BSC X010 and BSC X010L; or BSC X010C)
- Physics I with Lab (PHY X053; or PHYX048 and X048L; or PHY X048C)
- For Athletic Training Program purposes, Fundamentals of Human Nutrition (HUN 2201) will be seen as equivalent to HUN X201, HUN X941, HUN X002, and HSCX577.
- For Athletic Training Program purposes, Statistical Methods I (STA 2023) will be seen as equivalent to STA X023, STA X122, and STA X201.
- General Psychology (PSY X012)

Plan of Study

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- HSC 2000 Introduction to the Allied Health 2 hrs
- MAC 1105C College Algebra 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

¹ Other CHM courses might be acceptable as prerequisites to PCB 3703

Freshman Year - Spring 13 hrs
- ENC 1102 Composition II 3 hrs
- GEP Social 2 hrs
- BSC 2010C Biology I 4 hrs
- MAC 1114C College Trigonometry 3 hrs

Sophomore Year - Fall 14 hrs
- PHY 2053C College Physics I 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Spring 16 hrs
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- PCB 3703C Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs
- GEP Historical 3 hrs

Sophomore Year - Summer 6 hrs
- ATR 4014C Principles of Athletic Training Lab 3 hrs
- ATR 3102C Principles of Athletic Training 3 hrs
- Foreign Language (If not satisfied in high school) 4 hrs

Junior Year - Fall 10 hrs
- ATR 3812L Practicum in Athletic Training I 4 hrs
- ATR 3012C Clinical Skills for Athletic Trainers I 3 hrs
- ATR 3212C Recognition and Evaluation of Athletic Injuries I 3 hrs
- Free Elective (If needed to maintain full-time status) 3 hrs

Junior Year - Spring 13 hrs
- PET 4315C Biomechanics of Sport 3 hrs
- ATR 3822L Practicum in Athletic Training II 4 hrs
- ATR 4213C Recognition and Evaluation of Athletic Injuries II 3 hrs
- ATR 3013C Clinical Skills for Athletic Training II 3 hrs

Junior Year - Summer 8 hrs
- ATR 4313C Therapeutic Exercise in Athletic Training 4 hrs
- ATR 4032C Therapeutic Modalities in Athletic Training 4 hrs
- ATR 4940 Athletic Training Elective Internship 0 hrs

Senior Year - Fall 13 hrs
- ATR 4512C Organization and Administration of Athletic Training 3 hrs
- PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance 3 hrs
- ATR 4315C Advanced Rehabilitation in Athletic Training 3 hrs
- ATR 4832L Practicum in Athletic Training III 4 hrs

Senior Year - Spring 12 hrs
- ATR 4933 Athletic Training Seminar 1 hr
- PET 4066 Applied Fitness in Sport 3 hrs
- ATR 4842L Practicum in Athletic Training IV 4 hrs
- ATR 4103 Case Studies in Sports Medicine 3 hrs
- ATR 4112L Acute Care in Athletic Training 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $19.50 per term
- Full-Time Student: $39 per term

Biology (B.S.)

College of Sciences

Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Phone: 407-823-2141

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 Department of Biology.
- 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.
- Biology majors must earn a “C” (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - 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

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### 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
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
- Mathematics: 3 hrs

#### C: Mathematical Foundations (6 hrs)
- Required MAC 2233 Concepts of Calculus or SPC 1600C Precalculus 3 hrs
- Suggested MAC 2253 Applied Calculus or SPC 1605C Precalculus II 3 hrs
- Prefer MAC 2311C Calculus with Analytic Geometry I 4 hrs

#### Statistics (3 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

#### D: Social Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required BSC 2011C Biology II 3 hrs
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

#### E: Science Foundations (8 hrs)
- Required MAC 2253 Applied Calculus or MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required BSC 2010C Biology I 4 hrs
- Required BSC 2011C Biology II 3 hrs

### 2. Common Program Prerequisites (CPP) (16 hrs)

- **Note:** a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

#### Biology:
- Required CHM 2040 Chemistry Fundamentals IA 3 hrs
- Required CHM 2041 Chemistry Fundamentals IB 3 hrs

#### Chemistry:
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required CHM 2211L Organic Laboratory Techniques I 2 hrs

#### Math:
- Select one math course and this statistics course.

#### Physics:
- Required PHY 2053C College Physics I and 4 hrs
- Required PHY 2054C College Physics II 4 hrs

### 3. Core Requirements: Basic Level (8 hrs)
- **Note:** Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

#### Biology:
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

#### Chemistry:
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required CHM 2211L Organic Laboratory Techniques I 2 hrs

#### Math:
- Students planning on entering professional or graduate school may wish to take additional Calculus courses.

#### Physics:
- Required PHY 2053C College Physics I and 4 hrs
- Required PHY 2054C College Physics II 4 hrs

### 4. Core Requirements: Advanced Level (13 hrs)
- **Note:** Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

#### Biology:
- Note: a minimum grade of “C” (2.0) is required in these Biology courses to satisfy the requirement, and to allow their use as a course prerequisite.

#### Chemistry:
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- Required CHM 2211L Organic Laboratory Techniques I 2 hrs

#### Math:
- Students planning on entering professional or graduate school may wish to take additional Calculus courses.

#### Physics:
- Required PHY 2053C College Physics I and 4 hrs
- Required PHY 2054C College Physics II 4 hrs

### 5. Restricted Electives (22 hrs)
- **Note:** Students must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.

### UCF Degree Programs

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UCF Degree Programs

- 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.
- 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 3 hrs 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
- 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 4678 Evolution and Medicine or 3 hrs
- PCB 4683L Evolutionary Biology Lab or 1 hr
- PCB 4684 Population Genetics or 3 hrs
- PCB 4723 Animal Physiology or 4 hrs
- PCB 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

1 Fulfills Botany requirement. Offered in Biology department.
2 Offered in Biology department.
3 Fulfills Zoology requirement. Offered in Biology department.

Environmental 3 hrs
Complete a minimum of one lecture course 3 hrs from this group.

- BOT 3018C Culinary Botany Across the Cultures or 3 hrs
- BOT 3152C Local Flora or 3 hrs
- BOT 3802 Ethnobotany or 3 hrs
- BOT 4850 Medicinal Botany or 3 hrs
- BSC 3032 Conservation Biology or 3 hrs
- BSC 3312 Principles of Marine Biology or 3 hrs
- BSC 4312C Advanced Marine Biology or 4 hrs
- BSC 4330 Inversion Biology or 3 hrs
- BSC 4821 Biogeography or 4 hrs
- BSC 4861L SL Sustainability: Socially & Economically Viable Environmental Protection or 3 hrs
- BSC 5258L Tropical Biology Research and Conservation or 3 hrs
- PCB 3044L Principles of Ecology Laboratory or 1 hr
- PCB 3343L Principles of Field Ecology or 5 hrs
- PCB 3354 Tropical Ecology and Conservation or 3 hrs
- PCB 3355L Tropical Marine Biology or 2 hrs
- PCB 3442 Aquatic Ecology or 3 hrs
- PCB 5435C Marine Ecology of Florida or 4 hrs
- PCB 5485 Models in Ecology or 3 hrs
- PAZ 4234 Zoo and Aquarium Management or 3 hrs
- ZOO 4513 Animal Behavior or 3 hrs
- PCB 4402 Disease Ecology & Ecomunology or 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Offered in Biology department.
3 Variable credit 2-5 hrs
4 Fulfills Zoology requirement. Offered in Biology department.

Systematic 3 hrs
Complete a minimum of one lecture course 3 hrs from this group.

- ANT 3550C Primatology or 3 hrs
- BOT 4434C General Mycology or 4 hrs
- BOT 4713C Plant Taxonomy or 5 hrs
- ENY 4004C General Entomology or 4 hrs
- ENY 5006C Entomology or 4 hrs
- MCB 3020C General Microbiology or 5 hrs
- ZOO 4205C Biology and Ecology of Metazoa or 4 hrs
- ZOO 4310C Vertebrate Evolution & Ecology or 4 hrs
- ZOO 4480 Mammalogy or 4 hrs
- ZOO 5458C Ichthyology or 4 hrs
- ZOO 5463C Herpetology or 4 hrs
- 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

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 used to satisfy the requirement.
- Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation.
- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Environmental Engineering
- Biomedical Sciences
- Science Education - Biology
- Interdisciplinary Studies - Environmental Studies Track

Certificates
- None

Related Minors
- Biology
- Environmental Studies
- Biomedical Sciences
### Freshman Year - Fall

- **BSC 2010C** Chemistry Fundamentals I 4 hrs
- **CMH 2045C** Chemistry Fundamentals II 4 hrs
- **ENC 1101** Composition I 3 hrs

### Freshman Year - Spring

- **BSC 2011C** Chemistry Fundamentals II 4 hrs
- **CMH 2046L** Chemistry Fundamentals Laboratory 1 hr
- **ENC 1102** Composition II 3 hrs
- **Elective or Math course if needed** 3 hrs

### Sophomore Year - Fall

- **MAC 2311C** Calculus with Analytic Geometry I 4 hrs
- **CMH 2210** Organic Chemistry I 3 hrs
- **PCB 3063** Genetics 3 hrs
- **PCB 3044** Principles of Ecology 3 hrs

### Sophomore Year - Spring

- **CMH 2211** Organic Chemistry II 3 hrs
- **CMH 2211L** Organic Laboratory Techniques I 2 hrs
- **STA 2023** Statistical Methods I 3 hrs
- ** Restricted Elective 5 hrs
- **GEP 3 hrs

### Junior Year - Spring

- **PHY 2053C** College Physics I 4 hrs
- **PCB 3023** Molecular Cell Biology 3 hrs
- **Restricted Elective** 3 hrs
- **Elective** 3 hrs

### Senior Year - Fall

- **PHY 2054C** College Physics II 4 hrs
- **Restricted Elective** 4 hrs
- **GEP** 3 hrs
- **Elective** 3 hrs

### Senior Year - Spring

- **PCB 4683** Evolutionary Biology 4 hrs
- **Restricted Elective** 4 hrs
- **GEP** 3 hrs
- **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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees

- **Part-Time Student:** $24.85 per term
- **Full-Time Student:** $49.70 per term

### Biology - Preprofessional Concentration (B.S.)

#### College of Sciences

**Department of Biology, Biology, Room: 301**

[http://www.cos.ucf.edu/biology](http://www.cos.ucf.edu/biology)

**Email:** biology@ucf.edu

**Phone:** 407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broadly based and provides a well-rounded education that is appealing to admission committees and valuable for careers in medicine, dentistry, optometry, pharmacy and veterinary medicine. This curriculum suggests choices within the Biology major that may be more relevant to preprofessional majors.

#### 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.
- **Biology majors** must earn a "C" (2.0) or better in all Core courses with a BSC or PCB prefix in order to satisfy the requirement.
- **All prerequisites of courses taught within the College of Sciences will be enforced.**
- **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

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Upon reaching junior standing (60 hours), 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 2 hrs
- **PHY 2053C** College Physics I 4 hrs
- **PHY 2054C** College Physics II 4 hrs

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
     - Prefer **SPC 1603C** Fundamentals of Technical Presentations

   - **B: Cultural & Historical Foundations** (9 hrs)
     - Note: Prior to enrolling in Math, take Math Placement Test ~ *http://utc.sdes.ucf.edu/math/*
     - Required **MAC 2311C** Calculus with Analytic Geometry I 4 hrs

   - **C: Mathematical Foundations** (7 hrs)
     - Note: Prior to enrolling in Chemistry, take Chemistry Placement exam;
     - Required **BSC 2010C** Biology I 4 hrs

   - **D: Social Foundations** (6 hrs)
     - Note: Prior to enrolling in Chemistry, take Chemistry Placement exam;
     - Required **BSC 2011C** Biology II 4 hrs

   - **E: Science Foundations** (8 hrs)
     - Note: Prior to enrolling in Chemistry, take Chemistry Placement exam;
     - Required **CHM 2040** Chemistry Fundamentals I 4 hrs

Select the sequence identified by the Chemistry Placement exam;

- **CHM 2040** Chemistry Fundamentals IA and \( \text{GEP} \)
- **CHM 2041** Chemistry Fundamentals IB and \( \text{GEP} \)
- **CHM 2046** Chemistry Fundamentals II and \( 4 \text{ hrs} \)
- **CHM 2046L** Chemistry Fundamentals Laboratory \( 1 \text{ hr} \)

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.

   Although other courses may satisfy the CPP, these specifically satisfy the major requirements or are better for preprofessional students.

- **Biology**: \( 4 \text{ hrs} \)
  - Note: a minimum grade of “C” (2.0) is required in these Biology courses to allow their use as a prerequisite.
  - Required **BSC 2010C** Biology I and \( \text{GEP} \)
  - or - **BSC 2011C** Biology II and \( \text{GEP} \)

- **Chemistry**: \( 3 \text{ hrs} \)
  - Take Placement test before starting chemistry; *http://knightsource.sdes.ucf.edu/placement CHM 2045C* Chemistry Fundamentals I \( \text{GEP} \)
  - or - **CHM 2046** Chemistry Fundamentals II \( \text{GEP} \)

3. **Core Requirements: Basic Level** (8 hrs)

- **Math:** \( \text{CPP} \)
  - Note: Prior to enrolling in Math, take Math Placement Test ~ *http://utc.sdes.ucf.edu/math/*
  - Required **MAC 2311C** Calculus with Analytic Geometry I and \( \text{CPP} \)
  - or - **PHY 2048C** Physics for Engineers & Scientists I or \( 4 \text{ hrs} \)
  - or - **PHY 2049C** Physics for Engineers & Scientists II \( 4 \text{ hrs} \)

4. **Core Requirements: Advanced Level** (13 hrs)

- **Chemistry:** \( \text{CPP} \)
  - Note: Prior to enrolling in Chemistry, take Chemistry Placement exam;
  - Required **CHM 2040** Chemistry Fundamentals IA and \( \text{CPP} \)
  - or - **CHM 2041** Chemistry Fundamentals IB \( \text{CPP} \)

- **Physics:** \( \text{CPP} \)
  - Note: Prior to enrolling in Physics, take Physics Placement Test ~ *http://utc.sdes.ucf.edu/placement*
  - Required **PHY 2048C** Physics for Engineers & Scientists I or \( 4 \text{ hrs} \)
  - or - **PHY 2049C** Physics for Engineers & Scientists II \( 4 \text{ hrs} \)

5. **Restricted Electives** (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be more appropriate for many professional schools.

- **Biology:** \( \text{CPP} \)
  - Note: Prior to enrolling in Biology, take Biology Placement exam;
  - Required **CHM 2210** Organic Chemistry I and \( 3 \text{ hrs} \)
  - or - **CHM 2211** Organic Chemistry II and \( 3 \text{ hrs} \)
  - or - **CHM 2211L** Organic Laboratory Techniques \( 2 \text{ hrs} \)

- **Math:** \( \text{CPP} \)
  - Note: Prior to enrolling in Math, take Math Placement Test ~ *http://utc.sdes.ucf.edu/math/*
  - Required **MAC 2311C** Calculus with Analytic Geometry I and \( \text{CPP} \)
  - or - **PHY 2048C** Physics for Engineers & Scientists I or \( 4 \text{ hrs} \)
  - or - **PHY 2049C** Physics for Engineers & Scientists II \( 4 \text{ hrs} \)

- **Physics:** \( \text{CPP} \)
  - Note: Prior to enrolling in Physics, take Physics Placement Test ~ *http://utc.sdes.ucf.edu/placement*
  - Required **PHY 2048C** Physics for Engineers & Scientists I or \( 4 \text{ hrs} \)
  - or - **PHY 2049C** Physics for Engineers & Scientists II \( 4 \text{ hrs} \)

- **Basic Core:** \( \text{CPP} \)
  - Note: Prior to enrolling in Biology, take Biology Placement exam;
  - Required **CHM 2040** Chemistry Fundamentals IA and \( \text{CPP} \)
  - or - **CHM 2041** Chemistry Fundamentals IB \( \text{CPP} \)

- **Chemistry:** \( \text{CPP} \)
  - Note: Prior to enrolling in Chemistry, take Chemistry Placement exam;
  - Required **CHM 2040** Chemistry Fundamentals IA and \( \text{CPP} \)
  - or - **CHM 2041** Chemistry Fundamentals IB \( \text{CPP} \)

- **Math:** \( \text{CPP} \)
  - Note: Prior to enrolling in Math, take Math Placement Test ~ *http://utc.sdes.ucf.edu/math/*
  - Required **MAC 2311C** Calculus with Analytic Geometry I and \( \text{CPP} \)
  - or - **PHY 2048C** Physics for Engineers & Scientists I or \( 4 \text{ hrs} \)
  - or - **PHY 2049C** Physics for Engineers & Scientists II \( 4 \text{ hrs} \)
6. Capstone Requirements
- Complete a minimum of one lecture course from this group.
- Because of the large number of courses taught in other departments, students must ensure they complete the required hours to be taken within the UCF Biology Department.

Biology Core Courses (30 hours)
- BCH 4053 Biochemistry I or 3 hrs
- BCH 4054 Biochemistry II or 3 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 4678 Evolution and Medicine or 3 hrs
- 2 PCB 4723 Animal Physiology or 4 hrs
- 2 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 or 4 hrs
- 1 Offered in Biology department.
- 2 Fulfills Zoology requirement. Offered in Biology department.

Environmental
- Complete a minimum of one lecture course from this group.
- 1 BOT 3802 Ethnobotany or 3 hrs
- 1 BOT 4850 Medicinal Botany or 3 hrs
- 1 Fulfills Botany requirement. Offered in Biology department.

Systematic
- Complete a minimum of one lecture course from this group.
- 1 ZOO X010C Introduction to Zoology or 3 hrs
- 1 ZOO X020C Introduction to Botany or 3 hrs
- 1 ZOO X030C Introduction to Microbiology or 3 hrs
- 1 X041C or both ZOO X010C and BOT X010C.
- 1 Offered in Biology department.

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.
- 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 DivisionRestricted Electives.
- Students will be required to take a comprehensive exam in biology during their last semester. Students must take the exam during their term of graduation, and must earn a passing score.
- Biology majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where the first semester of a two semester sequence has already been taken at a Florida College System institution.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Biology
- Chemistry
- Biomedical Sciences

Certificates
- None

Related Minors
- Biology
- Biomedical Sciences

Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Health and Pre-Law 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:
  - PCB 3020C General Microbiology or 5 hrs
  - PCB 4524 Molecular Biology II or 3 hrs

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the 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 courses 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 at http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test at http://utc.sdes.ucf.edu/math/
UCF Degree Programs

Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- Math course, depending on placement score 4 hrs

Freshman Year - Spring
- BSC 211C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2040L Chemistry Fundamentals Laboratory 1 hr
- May be taken in a later term if seats are not available.
- Math course 4 hrs
- ENC 1102 Composition II 3 hrs

Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- May be taken in a later term if seats are not available.
- PCB 3063 Genetics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- GEP 3 hrs

Junior Year - Fall
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PCB 3023 Moleculer Cell Biology 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Junior Year - Spring
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- GEP 3 hrs
- Free Elective 2 hrs

Senior Year - Spring
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 4 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $24.85 per term
- Full-Time Student: $49.70 per term

Biomedical Sciences (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below “C” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students in the Molecular and Cellular Biology or Molecular and Microbiology tracks must maintain a minimum GPA of 3.2 for courses in sections 2-5. Students who are unable to maintain such GPA must revert back into the non-track Biomedical Sciences B.S.
- Students should consult with a 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 (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Suggested MAC 2311C Calculus with Analytic Geometry I or 4 hrs
- Suggested MAC 2253 Applied Calculus 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
- Required SMA 2023 Statistical Methods I 3 hrs

1 Required CHM 2045C Chemistry Fundamentals I 4 hrs

2 CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I 4 hrs
BSC 2011C Biology II 4 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2040 Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs
CHM 2211 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
PHY 2054C College Physics II and 4 hrs
or
PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers and Scientists II and 4 hrs

1 This course is substituted with BSC 3403C.
2 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level

Biomedical Science (Non-Track) (25 hrs)
- The following core courses are for students completing the general Biomedical Science degree.

Life Sciences (22 hrs)
- MCB 3020C General Microbiology 5 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

Select 1:
- MCB 4414 Microbial Metabolism or 3 hrs
- MCB 4410 Cellular Metabolism 3 hrs
Select one of the following sequences of courses:

PCB 4280 Molecular Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr
or
PCB 3233 Immunology and 3 hrs
PCB 3233L Immunology Laboratory 1 hr

Chemistry 3 hrs
BCH 4053 Biochemistry I 3 hrs

Biomedical Science (Track Option) 34 hrs

- Students in the Molecular Microbiology and Molecular and Cellular Biology Tracks must complete the following courses in addition to completing 12 hours in their track core listed below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 4603</td>
<td>Environmental Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4410</td>
<td>Cellular Metabolism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3322</td>
<td>Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 4280</td>
<td>Molecular Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Molecular Microbiology Track Core 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 4204</td>
<td>Cellular Microbiology: Host-Pathogen Interactions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4404</td>
<td>Bacterial Genetics and Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4201</td>
<td>Microbial Stress Response</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4414</td>
<td>Metabolical Metabolism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Molecular and Cellular Biology Track Core 12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 4410</td>
<td>Cellular Metabolism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4529C</td>
<td>Experimental Molecular Cell Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4028</td>
<td>Molecular and Cellular Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4234</td>
<td>Cancer Biology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Including lab

5. Restricted Electives

Biomedical Science (Non-Track) Electives 23 hrs

- Select a minimum of seven (7) courses from the list below. At least two must have 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 courses is restricted. Check with advisor before enrolling.

- Students can only select two (2) of the following BCH courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>BOT 4434C</td>
<td>General Micrology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 3424</td>
<td>Nanobiotechnology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4434</td>
<td>Biomedical Informatics: Sequence Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 4439</td>
<td>Biomedical Informatics: Structure Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3202</td>
<td>Principles of Infectious Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3203</td>
<td>Pathogenic Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4404</td>
<td>Bacterial Genetics and Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4114C</td>
<td>Determinative &amp; Systemic Microbiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 4207</td>
<td>Infectious Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4234</td>
<td>Cellular Microbiology: Host-Pathogen Interactions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4512</td>
<td>Molecular Biotechnology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4503C</td>
<td>Virology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4603</td>
<td>Environmental Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 4970H</td>
<td>Honors Undergraduate Thesis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 5225</td>
<td>Molecular Biology of Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5654</td>
<td>Applied Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 5932</td>
<td>Current Topics in Molecular Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MBS 3220C</td>
<td>Techniques in Clinical Microscopy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3305C</td>
<td>Hematology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4343</td>
<td>Hemostasis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4430C</td>
<td>Clinical Paraontology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4505C</td>
<td>Immunodiagnostics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MBS 4625</td>
<td>Advanced Clinical Chemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MBS 4630</td>
<td>Advanced Clinical Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4028</td>
<td>Molecular and Cellular Pharmacology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4135</td>
<td>Applied Molecular Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4174</td>
<td>Foundation of Bio-Imaging Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4234</td>
<td>Cancer Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4264</td>
<td>Stem Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4284</td>
<td>Immunobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4514</td>
<td>Genetics II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4521</td>
<td>Tissue Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4529C</td>
<td>Experimental Molecular Cell Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 4708L</td>
<td>Laboratory Virtual Simulations in Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4605</td>
<td>Endocrinology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4632</td>
<td>Cellular and Molecular Brain</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4833</td>
<td>Advanced Human Physiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4843</td>
<td>Cellular and Molecular Neuroscience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5236</td>
<td>Cancer Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5275</td>
<td>Signal Transduction Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3701C</td>
<td>Human Gross Anatomy &amp; Dissection</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3755C</td>
<td>Introductory Histology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4603C</td>
<td>Embryology/Development</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ZOO 4605</td>
<td>Human Clinical Embryology and Congenital</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4742</td>
<td>Advanced Neurobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 4743C</td>
<td>Clinical Neuroanatomy and Neuroscience</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4747C</td>
<td>Clinical Neuroscience</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>Vertebrate Histology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 5745C</td>
<td>Essentials of Neuroanatomy</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1 Recommended for Preprofessional students
2 Students must take MCB 3203L Pathogenic Microbiology Lab in order for the combination to count as 1 restricted elective.

Molecular Microbiology Track Electives 11 hrs

- Students must choose three (3) courses from the list below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3203</td>
<td>Principles of Infectious Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3203</td>
<td>Pathogenic Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4207</td>
<td>Infectious Processes</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4503C</td>
<td>Virology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4603</td>
<td>Environmental Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 4970H</td>
<td>Honors Undergraduate Thesis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 5225</td>
<td>Molecular Biology of Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3234</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4174</td>
<td>Foundation of Bio-Imaging Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4264</td>
<td>Stem Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4521</td>
<td>Tissue Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4663</td>
<td>Human Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4813</td>
<td>Molecular Aspects of Obesity, Diabetes &amp; Metabolism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Must also choose MCB 3203L Pathogenic Microbiology Lab

Molecular and Cellular Biology Track Electives 10 hrs

- Students must choose three (3) electives from the list below:

- At least one (1) must have a laboratory component

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3202</td>
<td>Principles of Infectious Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 3203</td>
<td>Pathogenic Microbiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4276</td>
<td>Epidemiology of Infectious Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3234</td>
<td>Biomedical Informatics: Sequence Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4721C</td>
<td>Methods in Biotechnology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MCB 4970H</td>
<td>Honors Undergraduate Thesis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 5225</td>
<td>Molecular Biology of Disease</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PCB 4174</td>
<td>Foundation of Bio-Imaging Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4264</td>
<td>Stem Cell Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4521</td>
<td>Tissue Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4663</td>
<td>Human Genetics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4813</td>
<td>Molecular Aspects of Obesity, Diabetes &amp; Metabolism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5238</td>
<td>Immunobiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 5275</td>
<td>Signal Transduction Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

An additional elective course can be chosen from either the list above or from the broader list of electives shown under Biomedical Science (Non-Track) Electives.

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.
UCF Degree Programs

Graduation
- None

8. Electives
- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Molecular Microbiology and Molecular and Cellular Biology track students must complete all coursework in the baccalaureate curriculum as shown and earn a GPA of at least 3.2 for all coursework in the sciences.
- 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, and nine hours of summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits):
  - BSC 3403C: Honors Quantitative Biological Methods 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  - MCB 4970H: Honors Undergraduate Thesis II 1 hr

Related Programs
- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g., General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- BSC 2011C: Biology II 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- CHM 2044C: Chemistry Fundamentals I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- CHM 2041C: Chemistry Fundamentals I 4 hrs

Plan of Study

Freshman Year - Fall 14 hrs
- ENC 1101: Composition I 3 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- MCB 4970H: Honors Undergraduate Thesis II 1 hr
- GEP 3 hrs

1 or follow math sequence determined by Math Placement Exam

Freshman Year - Spring 14 hrs
- ENC 1102: Composition II 3 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- PCB 4524: Molecular Biology I 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 14 hrs
- CHM 2210: Organic Chemistry I 3 hrs
- MCB 3020C: General Microbiology 5 hrs
- GEP 3 hrs

Sophomore Year - Summer 9 hrs
- Select 1: 3 hrs
- Select 1: 3 hrs

Sophomore Year - Spring 15 hrs
- CHM 2211: Organic Chemistry II 3 hrs
- GEP 3 hrs
- Select 1: 3 hrs

Junior Year - Fall 13 hrs
- PCB 3522: Molecular Biology I 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 13 hrs
- PHY 2053C: College Physics I or 3 hrs
- PHY 2054C: Physics for Engineers & Scientists I 4 hrs

Select 1:
- Select 1: 3 hrs
- Select 1: 3 hrs

Senior Year - Fall 12 hrs
- PCB 4524: Molecular Biology II 3 hrs
- Restricted Elective 3 hrs

Select 1:
- MCB 4414: Microbial Metabolism or 3 hrs
- BCH 4053: Biochemistry I 3 hrs
- MCB 4414: Microbial Metabolism or 3 hrs

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

1 or follow math sequence determined by Math Placement Exam

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites

1 or follow math sequence determined by Math Placement Exam

UNIVERSITY OF CENTRAL FLORIDA 152 Undergraduate Catalog 2015-2016
Biomedical Sciences - Preprofessional Concentration (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu

Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Grades below “C” in Common Program Prerequisites, Core Requirements and Restricted Electives will not be accepted.
- Students should consult with a Departmental advisor and the Office of Pre-Health and Pre-Law Advising.

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 CGS 1060C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select 1: 3 hrs
  - Required CGS 1060C Introduction to Computers or 3 hrs
  - Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Required BSC 2010C Biology I 4 hrs
  - Required CHM 2045C Chemistry Fundamentals I 4 hrs

D: Social Foundations (6 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Math, Statistics, Computers

Select 1: 4 hrs
- MAC 2311C Calculus with Analytic Geometry I or GEP
- MAC 2503 Applied Calculus or GEP

Select 1: 3 hrs
- STA 2023 Statistical Methods I or GEP
- CGS 1060C Introduction to Computers or 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

Select one of the following sequences of courses:
- PCB 4280 Molecular Immunology and 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3233 Immunology and 3 hrs
- PCB 3233L Immunology Laboratory 1 hr

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- MCB 4410 Cellular Metabolism 3 hrs

Chemistry

Select one of the following sequences of courses:
- PCB 4280 Molecular Immunology and 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3233 Immunology and 3 hrs
- PCB 3233L Immunology Laboratory 1 hr

Select 1: 3 hrs
- MCB 4414 Microbial Metabolism or 3 hrs
- MCB 4410 Cellular Metabolism 3 hrs
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, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
UCF Degree Programs

Biotechnology (B.S.)

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology,
Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

Email: bsbsadvising@ucf.edu

Dr. Griffith Parks, Director
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements

- None
UCF Degree Programs

Physics
Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2053C College Physics I and PHY 2054C College Physics II</td>
<td>4hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I and PHY 2049C Physics for Engineers and Scientists II</td>
<td>4hrs</td>
</tr>
</tbody>
</table>

Math
Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311C Calculus with Analytic Geometry I or MAC 2233 Applied Calculus</td>
<td>3hrs</td>
</tr>
</tbody>
</table>

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 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
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<tbody>
<tr>
<td>BCH 4054 Biochemistry II</td>
<td>3hrs</td>
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<tr>
<td>BCH 4103L Biochemical Methods</td>
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<tr>
<td>MCB 3203 Pathogenic Microbiology</td>
<td>3hrs</td>
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<tr>
<td>MCB 4404 Bacterial Genetics and Physiology</td>
<td>3hrs</td>
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<tr>
<td>MCB 4207 Infectious Processes</td>
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<tr>
<td>MCB 4204 Cellular Microbiology; Host-Pathogen Interactions</td>
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<td>PCB 4284 Immunobiology</td>
<td>3hrs</td>
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<tr>
<td>PCB 4503C Virology</td>
<td>3hrs</td>
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<tr>
<td>MCB 4603 Environmental Microbiology</td>
<td>3hrs</td>
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<tr>
<td>MCB 4912 Directed Independent Research</td>
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<tr>
<td>MCB 4970H Honors Undergraduate Thesis II</td>
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<tr>
<td>MCB 5225 Molecular Biology of Disease</td>
<td>3hrs</td>
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<tr>
<td>MCB 5505 Molecular Virology</td>
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<tr>
<td>MCB 5554 Applied Microbiology</td>
<td>3hrs</td>
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<tr>
<td>MCB 5932 Current Topics in Molecular Biology</td>
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<tr>
<td>PCB 3063 Genetics</td>
<td>3hrs</td>
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<tr>
<td>PCB 3703C Human Physiology</td>
<td>4hrs</td>
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<tr>
<td>PCB 4234 Cancer Biology</td>
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<tr>
<td>PCB 4521 Tissue Engineering</td>
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<td>PCB 4805 Endocrinology</td>
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<tr>
<td>PCB 5275 Signal Transduction Mechanics</td>
<td>3hrs</td>
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</table>

1 Students must take MCB 3203 Pathogenic Microbiology Lab in order for the combination to count as 1 restricted elective

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following with a grade of B or better: BSC 3403C Honors Quantitative Biological Methods 4hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis MCB 4970H 3hrs

Related Programs
- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.

Acceptable Substitutes for Transfer Courses
- Substitutes for Common Program Prerequisites
- MAC X311 or MAC X233 or MAC X353 or MAC X281
- PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
- STA X023 or STA X122 or STA X014 or STA X024 or STA X321

Acceptable Substitutes
- CHM 2045C may be substituted with CHM 2040 and CHM 2041 4hrs
- BSC 2011C Biology II may be substituted with: BSC 3403C CHM 2045C Chemistry Fundamentals I 4hrs
- BSC 2011C Biology II may be substituted with: CHM 2040 CHM 2045C Chemistry Fundamentals I 4hrs
- BSC 2011C Biology II may be substituted with: CHM 2041

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3hrs
- CHM 2045C Chemistry Fundamentals I 4hrs
- 1 MAC 2311C Calculus with Analytic Geometry I 4hrs
- GEP 3hrs

(1) or follow math sequence determined by Math Placement Exam

Freshman Year - Spring
- ENC 1102 Composition II 3hrs
- BSC 2010C Biology I 4hrs
- CHM 2046 Chemistry Fundamentals II 3hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1hr
- GEP 3hrs

UNIVERSITY OF CENTRAL FLORIDA

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### Sophomore Year - Fall
- CHM 2210: Organic Chemistry I (3 hrs)
- MCB 3020C: General Microbiology (5 hrs)
- GEP (3 hrs)

**Select 1:**
- STA 2023: Statistical Methods I or (3 hrs)
- GCS 1000C: Introduction to Computers (3 hrs)

### Sophomore Year - Spring
- CHM 2211: Organic Chemistry II (3 hrs)
- BSC 3403C: Quantitative Biological Methods (4 hrs)
- GEP (3 hrs)
- Restricted Elective or Elective (3 hrs)

**Select 1:**
- CHM 2211L: Organic Laboratory Techniques I or (3 hrs)
  Elective (3 hrs)

### Sophomore Year - Summer
- Restricted Elective or Elective (3 hrs)
- Elective (3 hrs)

### Junior Year - Spring
- PCB 4522: Molecular Biology I (3 hrs)
- MCB 4720: Industrial Perspectives Seminar (3 hrs)
- GEP (3 hrs)

**Select 1:**
- PHY 2053C: College Physics I or (4 hrs)
  1 PHY 2048C: Physics for Engineers & Scientists I (4 hrs)

1 *Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

### Junior Year - Fall
- PCB 4524: Molecular Biology II (3 hrs)
- PCB 4280: Molecular Immunology (3 hrs)
- PCB 3233L: Immunology Laboratory (1 hr)
- PCB 4529C: Experimental Molecular Cell Biology (4 hrs)

**Select 1:**
- PHY 2054C: College Physics II or (4 hrs)
  1 PHY 2049C: Physics for Engineers & 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
- MCB 4414: Microbial Metabolism (3 hrs)
- MCB 4721C: Methods in Biotechnology (4 hrs)
- MCB 4312: Molecular Biotechnology (3 hrs)
- Elective 3000 level (3 hrs)

### Senior Year - Spring
- PCB 4524: Molecular Biology II (3 hrs)
- PCB 4280: Molecular Immunology (3 hrs)
- PCB 3233L: Immunology Laboratory (1 hr)
- PCB 4529C: Experimental Molecular Cell Biology (4 hrs)
- PCB 4174: Foundation of Bio-Imaging Science (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/academiclearningcompacts.html

### Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

### Chemistry (B.S.)

#### Department of Chemistry, Physical Sciences, Room: 255
http://chemistry.cos.ucf.edu/
Email: pedro.patino@ucf.edu

Dr. Pedro Patino
Phone: 407-823-2246

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 36 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major.
  - These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
    - CHM 2045C: Chemistry Fundamentals I (4 hrs)
    - CHM 2045C: Chemistry Fundamentals II (4 hrs)
    - CHM 2046: Chemistry Fundamentals II (3 hrs)
    - CHM 2046L: Chemistry Fundamentals Laboratory (1 hr)
    - CHM 2210: Organic Chemistry I (3 hrs)
    - CHM 2211: Organic Chemistry II (3 hrs)
    - CHM 2211L: Organic Laboratory Techniques I (2 hrs)
    - MAC 2311C: Calculus with Analytic Geometry I (4 hrs)
    - MAC 2312: Calculus with Analytic Geometry II (4 hrs)
    - PHY 2048C: Physics for Engineers & Scientists I (4 hrs)
    - PHY 2049C: Physics for Engineers & Scientists II (4 hrs)

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
UCF Degree Programs

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (24 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement

Select either:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- and complete all the following
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 221L Organic Laboratory Techniques I 2 hrs
  - MAC 2311C Calculus with Analytic Geometry I and GEP
  - MAC 2312 Calculus with Analytic Geometry II and CPP
  - PHY 2048C Physics for Engineers & Scientists I and GEP
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (4 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP

Select either:
- CHM 2045C Chemistry Fundamentals I CPP
- CHM 2040 Chemistry Fundamentals IA and CPP
- CHM 2041 Chemistry Fundamentals IB CPP
- and
  - CHM 2046 Chemistry Fundamentals II and CPP
  - CHM 2046L Chemistry Fundamentals Laboratory and CPP
  - CHM 2210 Organic Chemistry I and CPP
  - CHM 2211 Organic Chemistry II and CPP
  - CHM 221L Organic Laboratory Techniques I and CPP
  - MAC 2311C Calculus with Analytic Geometry I and CPP
  - MAC 2312 Calculus with Analytic Geometry II and CPP
  - PHY 2048C Physics for Engineers & Scientists I and CPP
  - PHY 2049C Physics for Engineers and Scientists II CPP

Core: Additional requirements
- BSC 2010C Biology I GEP
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- and either:
  - STA 1063C Basic Statistics Using Microsoft Excel or GEP
  - STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (34 hrs)
- BCH 4054 Biochemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3215L Organic Laboratory Techniques II 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Techniques 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4931 Chemistry Seminar II 1 hr

5. Restricted Electives (6 hrs)
Select from the following courses:
- 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
- CHM 4615 Environmental Chemistry 3 hrs

Directed Electives 3 hrs

6. Capstone Requirements

7. Foreign Language Requirements

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research 4 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors

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.
- 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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A 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.
### Degree Requirements

- **Course Content:*** Depending on the major, prerequisites and core courses may vary.
- **Advising Notes:*** Students should consult with an advisor to ensure they meet all program requirements.

### Acceptable Substitutes for Transfer Courses

- **Institution:** Students may substitute courses from other institutions with equivalent coursework.

### Plan of Study

- **One of numerous possible plans of study.** Students should consult with an advisor to choose the appropriate plan.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2311C</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4 hrs</td>
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<tr>
<td>ENC 1101</td>
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### Freshman Year - Spring

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<tbody>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
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<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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<td>ENC 1102</td>
<td>Composition II</td>
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<td>GEP</td>
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### Sophomore Year - Fall

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<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
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<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
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<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
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### Sophomore Year - Spring

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<td>Organic Chemistry II</td>
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</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists I</td>
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### Junior Year - Fall

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<tbody>
<tr>
<td>BCH 4053</td>
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<td>CHM 3120</td>
<td>Analytical Chemistry</td>
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<td>CHM 3120L</td>
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<tr>
<td>CHM 3215L</td>
<td>Organic Laboratory Techniques II</td>
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<td>CHM 3410</td>
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### Junior Year - Spring

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<tr>
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<tr>
<td>CHM 411L</td>
<td>Inorganic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4130</td>
<td>Advanced Analytical Laboratory Technique</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4610</td>
<td>Inorganic Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 4610L</td>
<td>Advanced Analytical Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
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</table>

### Senior Year - Fall

<table>
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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHM 4610L</td>
<td>Inorganic Chemistry Laboratory</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHM 4930</td>
<td>Chemistry Seminar I</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
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### Senior Year - Spring

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<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CHM 4931</td>
<td>Chemistry Seminar II</td>
<td>1 hr</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- **Program Academic Learning Compacts** (student learning outcomes) are available online. Detailed information is available at the program’s official website.

### Equipment Fees

- **Part-Time Student:** $45 per term
- **Full-Time Student:** $90 per term

### Chemistry - Biochemistry Track (B.S.)

- **College of Sciences**
- **Department of Chemistry, Physical Sciences, Room: 255**
- **Email:** pedro.patino@ucf.edu
- **Phone:** 407-823-2246

### Admission Requirements

- **None**

### Degree Requirements

- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Co-op or internship credit cannot be used in the major.**
- **Students should consult with a departmental advisor before registering.**
- **Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.**
- **Chemistry majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.**
- **All prerequisites of courses taught within the College of Sciences will be enforced.**
- **Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.**

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AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
MAC 2311C 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 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Preferred STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
Select either:
CHM 2045C Chemistry Fundamentals I 4 hrs

- or
CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

- and complete all the following 24 hrs
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
MAC 2311C Calculus with Analytic Geometry I and 4 hrs
MAC 2312 Calculus with Analytic Geometry II and 4 hrs
PHY 2048C Physics for Engineers & Scientists I and GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (10 hrs)

All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
Select either:
CHM 2045C Chemistry Fundamentals I CPP

- or
CHM 2040 Chemistry Fundamentals IA and CPP
CHM 2041 Chemistry Fundamentals IB CPP

- and
CHM 2046 Chemistry Fundamentals II and CPP
CHM 2046L Chemistry Fundamentals Laboratory and CPP
CHM 2210 Organic Chemistry I and CPP
CHM 2211 Organic Chemistry II and CPP
CHM 2211L Organic Laboratory Techniques I and CPP
MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
MAC 2312 Calculus with Analytic Geometry II and CPP
PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
PHY 2049C Physics for Engineers and Scientists II CPP

4. Core Requirements: Advanced Level (37 hrs)

Select from the following:

- or
BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BCH 4103L Biochemical Methods 2 hrs
CHM 3410 Physical Chemistry I 4 hrs
CHM 3411 Physical Chemistry II 3 hrs
CHM 3411L Physical Chemistry Laboratory 2 hrs
CHM 4610 Inorganic Chemistry 3 hrs
CHM 4912 Directed Independent Research 4 hrs
CHM 4930 Chemistry Seminar I 1 hr
CHM 4931 Chemistry Seminar II 1 hr
MCB 3020C General Microbiology 5 hrs
PCB 3023 Molecular Cell Biology 3 hrs
PCB 3063 Genetics 3 hrs

5. Restricted Electives (10 hrs)

Select from the following:

- or
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4906 Directed Independent Study 1 hr
CHM 5225 Advanced Organic Chemistry 3 hrs
PCB 3522 Molecular Biology I 3 hrs

Additional upper level courses as approved by a departmental advisor.

One of the following may be used as a Restricted Elective:

- or
CHM 4220 Organic Chemistry II or 3 hrs
CHM 5225 Advanced Organic Chemistry 3 hrs

Additional physical, biological, and mathematical sciences courses.

- or
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

- or
Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

- or
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- or
Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.

- or
Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.

- or
The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

- or
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

- or
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.

UNIVERSITY OF CENTRAL FLORIDA
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.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

### Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

#### Honors in Major
- None

#### Related Programs
- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

#### Certificates
- None

#### Related Minors
- Chemistry
- Biology
- Biomedical Sciences

#### Advising Notes
- None

#### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

#### Freshman Year - Fall
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1101 Composition I 3 hrs

#### Freshman Year - Spring
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

### Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

### Sophomore Year - Spring
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- Lab may be taken in a later term if seats are not available.
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PCB 3063 Genetics 3 hrs

### Junior Year - Fall
- BCH 4053 Biochemistry I 3 hrs
- CHM 3215L Organic Laboratory Techniques II 2 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- GEP 3 hrs
- GEP 3 hrs

### Junior Year - Spring
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

### Senior Year - Fall
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 4912 Directed Independent Research 1 hr
- CHM 4930 Chemistry Seminar I 1 hr
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

### Senior Year - Spring
- CHM 4931 Chemistry Seminar II 1 hr
- 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 2 hrs
- GEP 4 hrs

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/academiclearningcompacts.html

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Civil Engineering (B.S.C.E.)
**College of Engineering and Computer Science**
**Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211**

http://www.cece.ucf.edu

Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Kevin Mackie, kevin.mackie@ucf.edu
Phone: 407-823-2841

#### Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.
UCF Degree Programs

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A "C" (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Civil Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Civil Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Civil Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Civil Engineering who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Civil Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Civil Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College Systems or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundation Group 1 3 hrs
- Select one class from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- A grade of "C" (2.0) or better is required in each course in this section.

MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following sequences of courses:
- Preferred course
  CHS 1440 Principles of Chemistry 4 hrs
- First alternative: Select all of the following:
  CHM 2040 Chemistry Fundamentals I A and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs
- Second alternative
  CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
EGS 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)

1. EGN 3310 Engineering Analysis-Statics 3 hrs
2. EGN 3321 Engineering Analysis-Dynamics 3 hrs
3. EGN 3331 Mechanics of Materials 3 hrs
4. EGN 3343 Thermodynamics 3 hrs
5. EGN 3613 Engineering Economic Analysis 2 hrs
6. EGN 3601 Introduction to Environmental Engineering 3 hrs
7. CCE 4003 Introduction to the Construction Industry 3 hrs
8. STA 3002 Probability and Statistics for Engineers 3 hrs
9. CGN 3700C Civil Engineering Measurements 4 hrs
10. CGN 3501C Civil Engineering Materials 3 hrs
11. CEG 4011C Geotechnical Engineering I 4 hrs
12. CEG 4100C Structural Analysis I and Lab 4 hrs
13. CW 3201 Engineering Fluid Mechanics 3 hrs
14. CWR 4632C Water Resources Engineering I 4 hrs
15. TTE 4274 Transportation Engineering Systems 3 hrs

16. CES 4003 Reinforced Concrete Structures 3 hrs

Select 3:
- Take 3 from the following:
  CEG 4012 Geotechnical Engineering II or 3 hrs
  CWR 4633C Water Resources Engineering II or 3 hrs
  ENV 4501 Environmental Engineering Operations & Processes I
  ENV 4501 Environmental Engineering Operations & Processes II or 3 hrs
  TTE 4274 Transportation Engineering Systems 3 hrs

1 A "C" (2.0) or better is required in this course.
5. Restricted Electives
- Some students may need to take technical electives to satisfy hour shortages because of transfer status. Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Senior Design Courses
  CGN 4808C CES CECE Capstone Design 3 hrs
- Design Specialization
  1 CEG 4801C Geotechnical Engineering Design or 3 hrs
  1 CES 4743C Structural Design or 3 hrs
  1 CWR 4812C Water Resources Design or 3 hrs
  1 ENV 4692C Environmental Engineering Water Treatment Design or 3 hrs
  1 TTE 4601C Urban Systems Design 3 hrs

7. Foreign Language Requirements
Admissions
- Two years of foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Required Minors
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information (course syllabus) with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall (14 hrs)
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring (14 hrs)
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall (14 hrs)
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHS 1440 Principles of Chemistry 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- GEP 3 hrs

Sophomore Year - Spring (16 hrs)
- MAP 2302 Ordinary Differential Equations I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Summer (9 hrs)
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- GEP 3 hrs

Junior Year - Fall (17 hrs)
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CGN 3501C Civil Engineering Materials 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs

Junior Year - Spring (17 hrs)
- GEP 3 hrs
- CES 4702 Reinforced Concrete Structures 3 hrs
- CEG 4011C Geotechnical Engineering I 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- TTE 3810 Highway Engineering 3 hrs

Senior Year - Fall (15 hrs)
- CES 4605 Steel Structures 3 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

Discipline Depth (6 hrs)
- CEG 4012 Geotechnical Engineering II or 3 hrs
- CWR 4633C Water Resources Engineering II or 3 hrs

1 A “C” (2.0) or better is required in this course.
UCF Degree Programs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/academiclearningcompacts.html](http://www.oes.ucf.edu/academiclearningcompacts.html)

Equipment Fees
- Full-Time Student: $85 per term
- Part-Time Student: $43 per term
- Full-Time Student: $85 per term

Communication & Conflict (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143

[http://communication.cos.ucf.edu](http://communication.cos.ucf.edu)

Dr. James McCafferty, mccafferty@ucf.edu

Phone: 407-823-2681

Nicholson Academic Student Services, nassc@ucf.edu

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Required SPC 1608 Fundamentals of Oral Communication or 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Statistics: (3 hrs)
- Required STA 2014C Principles of Statistics 3 hrs

Math:
- Suggested MGF 1106 Finite Mathematics 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- SPC 1608 Fundamentals of Oral Communication
- GEP

3. Core Requirements: Basic Level (3 hrs)

Speech
- Select 1:
  - SPC 1608 Fundamentals of Oral Communication or 3 hrs
  - SPC 1603C Fundamentals of Technical Presentations or 3 hrs

Statistics
- STA 2014C Principles of Statistics
- GEP

Computer Science
- Select 1:
  - CGS 1060C Introduction to Computers or 3 hrs
  - CGS 2100C Computer Fundamentals for Business or 3 hrs
  - CGS 2565C Desktop/Internet Publishing or 3 hrs
  - CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Internal Restricted Electives: (21 hrs)

Select from the following list:
- COM 3801 Communication Theories of Interpersonal Conflict 3 hrs
- COM 3800 Conflict Communication Research Methods 3 hrs
- COM 4804 Conflict & Communication Context 3 hrs
- COM 3802 Communication & Conflict 3 hrs

5. Restricted Electives (21 hrs)

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:
- COM 4941 Internship or 1 hr
- COM 4906 Directed Independent Study or 1 hr
- SPC 4949 Cooperative Education or 0 hrs
- COM 4949 Cooperative Education 0 hrs

Select 1:
- ENC 3315 Argumentative Writing or 3 hrs
- ENC 3311 Essay as Cultural Commentary or 3 hrs
- ENC 3250 Professional Writing or 3 hrs
- ENC 3314 Writing in the University or 3 hrs
- ENC 3241 Writing for the Technical Professional or 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 with NSC advisor approval selected from courses in Business, Legal Studies, Psychology, Public Administration, or other related areas, or courses within the Nicholson School of Communication but outside of the Human Communication area (i.e. Advertising-Public Relations, Journalism, or Radio-Television) not specified as restricted internal electives above.

6. Capstone Requirements (3 hrs)
- COM 4806 Communication & Conflict Case Studies 3 hrs
### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core-Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 1000 Introduction to Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3311 Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3801 Communication Theories of Interpersonal Conflict</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3800 Conflict Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>External Restricted Elective</td>
<td>3 hrs</td>
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</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective-Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective (Consider a minor)</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Communication Sciences and Disorders

(B.A. / B.S.)

Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101

[http://www.cohpa.ucf.edu/esd](http://www.cohpa.ucf.edu/esd)

Email: csdundergraduate@ucf.edu

Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
UCF Degree Programs

- The courses designated in section 1 below may be taken at a Florida College System institution, and usually should be completed in the first 60 hours.
- Students must earn at least a "C-" (1.75) in each prerequisite course, core course, restricted elective, and B.A./B.S. elective.
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: 3 hrs
   Required STA 2014C Principles of Statistics 3 hrs

2. Core Requirements: Basic Level
   None

3. Core Requirements: Advanced Level (56 hrs)
   Core Requirements 53 hrs
   DEP 2004C Developmental Psychology 3 hrs
   SPA 3471 Communication Disorders in Literature and Media 3 hrs
   SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
   SPA 3112 Basic Phonetics 3 hrs
   SPA 3112L Basic Phonetics Lab 1 hr
   LIN 3716 Language Development 3 hrs
   LIN 3716L Language Development Lab 2 hrs
   STA 3011 Speech Science I: Production 3 hrs
   SPA 3011L Speech Production Lab 1 hr
   STA 3104 Neural Bases of Communication 3 hrs
   STA 3123 Speech Science II: Perception 3 hrs
   STA 3123L Speech Perception Lab 1 hr
   SPA 4476 Speech Disorders Across the Lifespan 3 hrs
   SPA 4032 Audiology 3 hrs
   SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
   SPA 4400 Language Disorders Across the Life Span 3 hrs
   LIN 3713 Language Science 3 hrs
   SPA 4870C Capstone Course 3 hrs
   SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
   Select 1: 3 hrs
   EAB 3703C Principles of Behavior Modification or 4 hrs
   EEX 4601 Introduction to Behavior Management or 3 hrs
   EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
   EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
   SPA 3472 Guidance of Young Children with Communication Disorders or 3 hrs
   SPA 3450 Young Children With Special Needs 3 hrs

4. Statistics Requirement 3 hrs
   Option 1: STA 2023 Statistical Methods I and GEP 3 hrs
   or STA 2023 Statistical Methods I and GEP
   SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs
   Option 2: STA 2014C Principles of Statistics and GEP
   SPA 4803 Research Methods in Communication Sciences and Disorders

5. Restricted Electives (9 hrs)
   An additional nine credit hours of upper division coursework in Communication Sciences and Disorders selected from a list provided in the CSD Department or in consultation with a CSD undergraduate advisor.

6. Capstone Requirements 3 hrs
   SPA 4803 Research Methods in Communication Sciences and Disorders
   SPA 4870C Capstone Course

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.

8. Electives
   - Students can choose 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    - Students must achieve a minimum grade of "C-" (1.75) in all prerequisite courses, core courses, restricted electives, and B.A./B.S. electives in the department.
    - Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors in Major
- Interested students should consult with the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education
- Early Childhood Education

Certificates
- None

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
Plan of Study

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs
BSC 1005 Biological Principles 3 hrs
Free Elective 3 hrs
GEP Cultural 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
DEP 2004C Developmental Psychology 3 hrs
Select 1: 3 hrs
PHY, PSC, or CHM Course 3 hrs
GEP Social 3 hrs
GEP Historical 3 hrs

Sophomore Year - Fall 15 hrs
GEP Communication 3 hrs
SPA 3471 Communication Disorders in Literature and Media 3 hrs
Free Elective 3 hrs
GEP Historical 3 hrs
GEP Math 3 hrs

Sophomore Year - Spring 13 hrs
Select 1: 3 hrs
EAB 3703C Principles of Behavior Modification or 4 hrs
EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
EEX 3460 Young Children With Special Needs or 3 hrs
EEX 4601 Introduction to Behavior Management or 3 hrs
EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Summer 9 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Advising Notes

Acceptable Substitutes for Transfer Courses

None

Select 1:

Junior Year - Fall 13 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
LIN 3713 Language Science 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
SPA 3123 Speech Science II: Perception 3 hrs
SPA 3123L Speech Perception Lab 1 hr
SPA 4476 Speech Disorders Across the Lifespan 3 hrs
SPA 3104 Neural Bases of Communication 3 hrs
LIN 3716 Language Development 3 hrs
LIN 3716L Language Development Lab 2 hrs

Senior Year - Fall 15 hrs
SPA 4032 Audiology 3 hrs
SPA 4400 Language Disorders Across the Life Span 3 hrs
SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
Restricted Elective 3 hrs

Select 1: 3 hrs
STA 4163 Statistical Methods II or 3 hrs
SPA 4803 Research Methods in Communication Sciences and Disorders 3 hrs

Senior Year - Spring 12 hrs
SPA 4326 Hearing Disorders Across the Lifespan 3 hrs
SPA 4870C Capstone Course 3 hrs
Free Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts

None

Computer Engineering (B.S.Cp.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Email: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
Diane D’Avanzo
Phone: 407-823-3327

Admission Requirements

None

Degree Requirements

Restriction: Students must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C. Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

None
UCF Degree Programs

Students in the Computer Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Engineering major will be subject to all probation conditions that applied at the time of exclusion. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the applicable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from other 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.

1. UCF General Education Program (GEP)

The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
Suggested SPC 1603C Fundamentals of Technical Presentations or 3 hrs
Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select one 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 public 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.

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 section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

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

4. Core Requirements: Advanced Level (57 hrs)

Engineering Core 6 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
STA 3032 Probability and Statistics for Engineers GEP
Select 1: 3 hrs
EGN 3321 Engineering Analysis-Dynamics or 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 48 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 3 hrs
COP 3330 Object Oriented Programming 3 hrs
COP 4331C Processes for Object-Oriented Software Development 3 hrs
EEL 3040C Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEE 3801C Computer Organization 3 hrs
EEL 4742C Embedded Systems 4 hrs
EEL 4768 Computer Architecture 3 hrs
EEL 4781 Computer Communication Networks 3 hrs
COP 4600 Operating Systems 3 hrs
EGN 3211 Engineering Analysis and Computation 3 hrs

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.
24 of the 32 Residency hours must be at the 3000-5000 level courses taken from the EECS Department at UCF and applicable to the degree program.
10. Required Minors

- None

11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates

- None

Related Minors

- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

Advising Notes

- Each engineering student should meet regularly with an academic advisor in the major department.
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (128 hrs)

- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall

- EGS 1006C  Introduction to the Engineering Profession 1 hr
- MAC 2311C  Calculus with Analytic Geometry I 4 hrs
- GEP- Historical Foundation 3 hrs

Select 1 3 hrs
- SPC 1603C  Fundamentals of Technical Presentations 3 hrs
- SPC 1608  Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall

- EGN 3211 Engineering Analysis and Computation 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

Junior Year - Spring

- COP 4331C  Introduction to Discrete Structures 3 hrs
- COP 4502C  Computer Science II 3 hrs
- STA 3023  Probability and Statistics for Engineers 3 hrs
- EEE 3307C  Electronics I 4 hrs

Select 1 3 hrs
- EGN 3321  Engineering Analysis-Dynamics or 3 hrs
- EGN 3358  Thermo-Fluids-Heat Transfer 3 hrs

Senior Year - Fall

- COP 4331C  Processes for Object-Oriented Software Development 3 hrs
- EEL 4791L  Senior Design II 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1 3 hrs
- ECO 2013  Principles of Microeconomics or 3 hrs
- ECO 2023  Principles of Microeconomics 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $42 per term
- Full-Time Student: $84 per term

Undergraduate Catalog 2015-2016

UNIVERSITY OF CENTRAL FLORIDA
UCF Degree Programs

Computer Science (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Email: undergraduate@eecs.ucf.edu

Dr. Ali Orooji
Jenny Shen
Julie Faris
Phone: 407-823-2341

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.

Admission Requirements
- None

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 the Computer Science Division 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.
- Students in the Computer Science major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Science who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Computer Science major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Computer Science who repeats any UCF course and does not earn a grade of "C" (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of "C" (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Computer Science who has accumulated 7 or more unsuccessful attempts (i.e., grades below "C" (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Computer Science major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (39 hrs)
   - A: Communication Foundations (9 hrs)
     Required ENC 1101 Composition I 3 hrs
     Required ENC 1102 Composition II 3 hrs
   
   Select 1: 3 hrs
   - Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (7 hrs)
     Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
     Required STA 2023 Statistical Methods I 3 hrs

   D: Social Foundations (6 hrs)
   - E: Science Foundations (8 hrs)
     Preferred BSC 2010C Biology I 4 hrs
     Preferred PHY 2048C Physics for Engineers & Scientists I 4 hrs

   Select 2: 6 hrs
   **Note:** 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 GEP
   - CHM 2045C Chemistry Fundamentals I or GEP
   - CHM 2046 Chemistry Fundamentals II or GEP
   - PHY 3101 Physics for Engineers and Scientists I or GEP

   Select 1: 3 hrs
   - ENC 3241 Writing for the Technical Professional or 3 hrs
   - ENC 3250 Professional Writing 3 hrs

2. Common Prerequisites (CPP) (17 hrs)
   - A "C" (2.0) or better is required in all courses in this area.
   - **See “Common Prerequisites” in the Transfer and Transitions Services section for more information.**
   - COP 3223C Introduction to Programming with C 3 hrs
   - MAC 2311C Calculus with Analytic Geometry I GEP
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - PHY 2048C Physics for Engineers & Scientists I GEP
   - PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (24 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 3330 Object Oriented Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 3 hrs
   - CDA 3103C Computer Logic and Organization 3 hrs
   - COT 3100C Introduction to Discrete Structures 3 hrs
   - CIS 3360 Security in Computing 3 hrs
   - COP 3402 Systems Software 3 hrs
   - COP 3960 CS Foundation Exam 0 hrs

   Select 1: 3 hrs
   - ENC 3241 Writing for the Technical Professional or 3 hrs
   - ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level (21 hrs)
   - A "C" (2.0) or better is required in all courses in this area.
   - Students must maintain at least a 2.5 GPA in the following courses.
   - COP 4331C Processes for Object-Oriented Software Development 3 hrs
   - EEL 4768 Computer Architecture 3 hrs
   - COP 4210 Discrete Structures II 3 hrs
   - COP 4020 Programming Languages I 3 hrs
   - COP 4600 Operating Systems 3 hrs
   - COP 4935 Senior Design I 3 hrs
   - COP 4933 Senior Design II 3 hrs

5. Restricted Electives (15 hrs)
   - A "C" (2.0) or better is required in all courses in this area.
   - **4000-5000 level Computer Science courses** 9 hrs
   - At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).
Advanced mathematics or statistics 6 hrs

- Choose at least two courses from the following list of approved choices to satisfy this requirement:
- Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.

  MAC 2313  Calculus with Analytic Geometry III  4 hrs
  MAP 2302  Ordinary Differential Equations I  3 hrs
  MAS 3105  Matrix and Linear Algebra  4 hrs
  MAS 3106  Linear Algebra  4 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science. This requirement is waived for second degree seeking students.

8. Electives (4 hrs)
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Computer Engineering
- Information Technology

Certificates
- None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 13 hrs
- ENC 1101  Composition I  3 hrs
- COP 3223C  Introduction to Programming with C  3 hrs
- MAC 2311C  Calculus with Analytic Geometry I  4 hrs

Freshman Year - Spring 12 hrs
- ENC 1102  Composition II  3 hrs
- COP 3100C  Introduction to Discrete Structures  3 hrs
- COP 3502C  Computer Science I  3 hrs
- CDA 3103C  Computer Logic and Organization  3 hrs
- COP 3960  CS Foundation Exam  0 hrs

Freshman Year - Summer 7 hrs
- MAC 2312  Calculus with Analytic Geometry II  4 hrs
- COP 3330  Object Oriented Programming  3 hrs

Sophomore Year - Fall 13 hrs
- COP 3402  Systems Software  3 hrs
- COP 3503C  Computer Science II  3 hrs
- PHY 2048C  Physics for Engineers & Scientists I  4 hrs
- GEP  3 hrs

Sophomore Year - Spring 13 hrs
- COP 4331C  Processes for Object-Oriented Software Development  3 hrs
- PHY 2049C  Physics for Engineers and Scientists II  4 hrs
- CIS 3360  Security in Computing  3 hrs

Select 1: 3 hrs
- ENC 3241  Writing for the Technical Professional  3 hrs
- ENC 3250  Professional Writing  3 hrs

Sophomore Year - Summer 6 hrs
- STA 2023  Statistical Methods I  3 hrs
- GEP  3 hrs

Junior Year - Fall 13 hrs
- COP 4020  Programming Languages I  3 hrs
- BSC 2010C  Biology I  4 hrs
- GEP  3 hrs

Junior Year - Spring 13 hrs
- COP 4600  Operating Systems  3 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- Math/Stat Restricted Elective  3 hrs
- CS Restricted Elective  3 hrs

Junior Year - Summer 3 hrs
- COP 4210  Discrete Structures II  3 hrs

Senior Year - Fall 16 hrs
- CS Restricted Elective  3 hrs
- GEP  3 hrs
- Free Elective  4 hrs
- COP 4934  Senior Design I  3 hrs
- Multicultural Elective  3 hrs

Senior Year - Spring 12 hrs
- CS Restricted Elective  3 hrs
- GEP  3 hrs
- Math/Stat Restricted Elective  3 hrs
- COP 4935  Senior Design II  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $28 per term
- Full-Time Student: $57 per term
Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Amr A. Oloufa, amr.oulofa@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 1440 or CHM 2045C or CHM 2040 AND CHM 2041.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Construction Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Construction Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Construction Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Construction Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- Any student majoring in Construction Engineering who has not received a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 1440 may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Construction Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University system should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundation Group 1 3 hrs
- Select one class from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311C and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

Select one of the following sequences of courses:
- Preferred course
  - MAC 2311C Calculus with Analytic Geometry I GEP
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I GEP
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

- First alternative: Select both of the following:
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

- Second alternative
  - CHM 2045C Chemistry Fundamentals I 4 hrs

3. Core Requirements: Basic Level (2 hrs)
- EGS 1007C Engineering Concepts and Methods 1 hr
- EGR 1102C Engineering Profession 1 hr

4. Core Requirements: Advanced Level (60 hrs)
- STA 3310 Engineering Analysis-Statics 3 hrs
- STA 3321 Engineering Analysis-Dynamics 3 hrs
- STA 3331 Mechanics of Materials 3 hrs
1 EGN 3613 Engineering Economic Analysis 2 hrs
1 ENV 3001 Introduction to Environmental Engineering 3 hrs
1 CWR 3201 Engineering Fluid Mechanics 3 hrs
1 CCE 4003 Introduction to the Construction Industry 3 hrs
1 CCE 4034 Construction Estimating and Scheduling 3 hrs
1 CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
CCE 4402 Construction Equipment and Productivity 3 hrs
1 CCE 4004 Construction Methods 3 hrs
CGN 3501C Civil Engineering Materials 3 hrs
CGN 3700C Civil Engineering Measurements 4 hrs
CWR 4632C Water Resources Engineering I 4 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
1 CES 4100C Structural Analysis I and Lab 4 hrs

Structural Depth 3 hrs
CES 4605 Steel Structures or 3 hrs
CES 4702 Reinforced Concrete Structures 3 hrs

Additional Area Depth Sequence
- Geotechnical Engineering
  CEG 4011C Geotechnical Engineering I and 4 hrs
  CEG 4012 Geotechnical Engineering II 3 hrs
- Transportation Engineering
  TTE 3810 Highway Engineering and 3 hrs
  TTE 4274 Transportation Engineering Systems 3 hrs

1 A “C” (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)
- Technical electives are available in the BSCoNeE program to address specific student interests in a variety of technical areas. Students should consult the CECE website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Required Senior Design Courses
  1 CCE 4810C Construction Design Project 3 hrs
  CGN 4808C CECE Capstone Design 3 hrs

1 A “C” (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Civil Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership
- Business

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
GEP 6 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
EGN 1007C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs
MAC 2312C Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
EGN 1007C Engineering Concepts and Methods 1 hr

Sophomore Year - Fall 16 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
CHS 1440 Principles of Chemistry 4 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
GEP 3 hrs

Sophomore Year - Spring 16 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
EGN 3331 Mechanics of Materials 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
GEP 3 hrs

Sophomore Year - Summer 9 hrs
CCE 4003 Introduction to the Construction Industry 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs

Junior Year - Fall 17 hrs
CES 4100C Structural Analysis I and Lab 4 hrs
GEP 3 hrs
CCE 4034 Construction Estimating and Scheduling 3 hrs
UCF Degree Programs

CCE 4613 Mechanical and Electrical Systems for Buildings 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

Junior Year - Spring 16 hrs
CCE 4004 Construction Methods 3 hrs
CCE 4402 Construction Equipment and Productivity 3 hrs
CGN 3501C Civil Engineering Materials 3 hrs
CGN 3700C Civil Engineering Measurements 4 hrs

Concrete or Steel
CES 4605 Steel Structures or 3 hrs
CES 4702 Reinforced Concrete Structures 3 hrs

Senior Year - Fall 13 hrs
CCE 4810C Construction Design Project 3 hrs
CWR 4632C Water Resources Engineering I 4 hrs
Approved Technical Elective 3 hrs

Select 1: 3 hrs
CEG 4011C Geotechnical Engineering I or 4 hrs
TTE 3810 Highway Engineering 3 hrs

Senior Year - Spring 12 hrs
CGN 4808C CECE Capstone Design 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
GEP 3 hrs

Select 1: 3 hrs
Take subsequent course to one selected in Fourth Year Fall.
CEG 4012 Geotechnical Engineering II or 3 hrs
TTE 4274 Transportation Engineering Systems 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
Part-Time Student: $43 per term
Full-Time Student: $85 per term

Criminal Justice (B.A. / B.S.)
College of Health and Public Affairs
Department of Criminal Justice,
Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@mail.ucf.edu
Cory Watkins
Phone: 407-823-2603

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Students should complete the General Education Program before transferring within the Florida College System or State University system.
The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
Students must earn a grade of C- (1.75) or better in each core course
1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations 9 hrs
B: Cultural & Historical Foundations 9 hrs
C: Mathematical Foundations 6 hrs
D: Social Foundations 6 hrs
E: Science Foundations 6 hrs
2. Common Program Prerequisites (CPP) None
3. Core Requirements: Basic Level None
4. Core Requirements: Advanced Level (21 hrs)
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
CCJ 3024 Criminal Justice System 3 hrs
CCJ 3014 Crime in America 3 hrs
CJL 3510 Prosecution and Adjudication 3 hrs
CJC 3010 Corrections and Penology 3 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4701 Research Methods in Criminal Justice 3 hrs
CCJ 4746 Data Analysis for Criminal Justice 3 hrs
5. Restricted Electives (39 hrs)
27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.
6. Capstone Requirements
None
7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 12 hour supporting course requirement. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes.
8. Electives
None
9. Additional Requirements
None
10. Required Minors
None
11. Departmental Exit Requirements
Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.
12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
Interested students should consult with a faculty advisor.
Related Programs
Legal Studies
## Criminal Justice Scholar’s Track (B.A. / B.S.)

### College of Health and Public Affairs
#### Department of Criminal Justice,
Health and Public Affairs 1, Room: Room 311
http://www.cohpa.ucf.edu/crim.jus/
Email: cjadvise@ucf.edu
Cory Watkins, UG Program Coordinator
Phone: 407-823-2603

### Admission Requirements
- An application is required. Minimum GPA of 3.0 for Admission.
- Applicant must declare this specific track.
- A grade of “B” (3.0) or better in ENC 1101 and ENC 1102 is required.
- Writing sample may be required if above requirement is not met.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida College System or State University System.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course.

1. **UCF General Education Program (GEP)** (36 hrs)
   - **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)
   - **D: Social Foundations** (6 hrs)
   - **E: Science Foundations** (6 hrs)

2. **Common Program Prerequisites (CPP)**
   - None

3. **Core Requirements: Basic Level**
   - None

4. **Core Requirements: Advanced Level** (33 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

5. **Restricted Electives** (27 hrs)
   - 15 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of Program standards must be met to be eligible for either internship or independent study credit.
   - 12 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but included selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by using 12 hours from a completed minor in another program approved by the department.

### Plan of Study

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<td><strong>Freshman</strong></td>
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<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Supporting Elective</td>
<td>Supporting Elective</td>
</tr>
<tr>
<td></td>
<td>3 hrs</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Free Elective</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

1. **Free Elective** (3 hrs)
2. **Free Elective** (3 hrs)
3. **Supporting Elective** (3 hrs)
4. **Restricted Elective or CCJ Internship** (6 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/academiclearningcompacts.html

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**UCF Degree Programs**

**UNIVERSITY OF CENTRAL FLORIDA**

175 Undergraduate Catalog 2015-2016
1 CJE 3001 Optional Replacement Course for PAF 2102

Freshman Year - Spring 15 hrs
ENC 1102 Composition I 3 hrs
GEP Math 3 hrs
GEP Science 3 hrs
GEP Social 3 hrs
GEP Cultural 3 hrs

Sophomore Year - Fall 15 hrs
GEP Communication 3 hrs
CCJ 3014 Crime in America 3 hrs
GEP Historical 3 hrs
GEP Science 3 hrs
Free Elective 3 hrs

Sophomore Year - Spring 15 hrs
CCJ 3024 Criminal Justice System 3 hrs
CJL 3510 Prosecution and Adjudication 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs

Junior Year - Fall 15 hrs
Admissions to scholars track requires 3.0 overall GPA
CCJ 4701 Research Methods in Criminal Justice 3 hrs
CJC 3010 Corrections and Penology 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Supporting Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
CJE 4014 Police and Society 3 hrs
CCJ 4746 Data Analysis for Criminal Justice 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Supporting Elective 3 hrs

Senior Year - Fall 15 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CJ Elective 3 hrs
Free Elective 3 hrs

Senior Year - Spring 15 hrs
Free Elective 3 hrs
Free Elective 3 hrs
CCJ 4934 Emergent Criminal Justice Issues 3 hrs
CJ Elective or CCJ Internship 6 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/academiclearningcompacts.html

Digital Media (B.A.)
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The 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://cstore.ucf.edu/) for the minimum hardware and software specifications.
### UCF Degree Programs

#### 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 24 hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Students must earn at least a "C" (2.0) in each required course, except DIG 2000 and DIG 4713 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor at least once annually.

1. **UCF General Education Program (GEP)** (37 hrs)

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

**Take all of the following:**
- **Required**
  - ARH 2050 History of Western Art I and 3 hrs
  - ARH 2051 History of Western Art II and 3 hrs
  - Select one additional course from approved list 3 hrs

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>C: Mathematical Foundations</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Required</td>
<td></td>
</tr>
</tbody>
</table>
  - COP 2500C Concepts in Computer Science 4 hrs
  - MAC 1105C College Algebra 3 hrs

1 (May substitute more advanced version)

<table>
<thead>
<tr>
<th>Category</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>D: Social Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>GEP</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>GEP</td>
</tr>
<tr>
<td>ART 2201C Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 2500C Concepts in Computer Science</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 1105C College Algebra</td>
<td>GEP</td>
</tr>
</tbody>
</table>

3. **Core Requirements: Basic Level** (12 hrs)
- Admission to all courses after DIG 2000 is dependent on the student achieving at least a "B" (3.0) in DIG 2000.

**Digital Media Core: Basic**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 2000 Introduction to Digital Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2030C Digital Video Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2109C Digital Imaging Fundamentals</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 2500C Fundamentals of Interactive Design</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

**Digital Media Core: Advanced**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3024 Digital Cultures &amp; Narrative</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3480C Computer as a Medium</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3525 Digital Media Production I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4780C Modeling for Realtime Systems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Game Design**
- Admission to all courses after DIG 4713 is dependent on the student achieving at least a "B" (3.0) in DIG 4713.

5. **Game Design: Basic Concentration** (24 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223C Introduction to Programming with C and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3330 Object Oriented Programming and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4630C Media Business Practices and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4713 Game Design and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4715C Game Production and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4720C Casual Game Production and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 3720C Introduction to Animation and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2151C Illustration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. **Game Design: Restricted Electives** (18 hrs)
- Complete 18 hours of credits from the following areas:
  - NOTED: DIG 4725C Must be taken at least two times. It is repeatable for credit.
  - 12 Additional hrs of 3000 or 4000 level courses from ART, 12 hrs
  - ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school and
  - DIG 4725C Game Design Workshop 6 hrs

### Web Design

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIG 3134 Media Software Design and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3563 Information Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3716C Internet Interaction and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 3811 User-Centered Design and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4503 Rapid Application Web Development and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4530C Media for e-Commerce and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DIG 4630C Media Business Practices and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 3803C Intermediate Computer Graphic Design</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

7. **Web Design: Restricted Electives** (18 hrs)
- Complete 18 hours of credits from the following areas:
  - Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
  - 12 additional hrs of 3000 or 4000 level courses from ART, 12 hrs
  - ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school and
  - DIG 4104C Web Design Workshop 6 hrs

8. **5. Restricted Electives**
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement.

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives
- Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.

### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- None

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

#### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Art
- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

#### Certificates
- None

#### Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music
### UCF Degree Programs

#### Freshman Year - Fall
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Social Foundation 3 hrs

#### Games Design

<table>
<thead>
<tr>
<th>Term</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year</td>
<td>ARH 2050 History of Western Art I 3 hrs</td>
</tr>
<tr>
<td></td>
<td>ENC 1101 Composition I 3 hrs</td>
</tr>
<tr>
<td></td>
<td>MAC 1105C College Algebra 3 hrs</td>
</tr>
<tr>
<td></td>
<td>GEP Cultural &amp; Historical Foundation 3 hrs</td>
</tr>
<tr>
<td></td>
<td>GEP Social Foundation 3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Fall
- GEP Social Foundation 3 hrs

#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Video Fundamentals 3 hrs</td>
</tr>
<tr>
<td>Digital Imagining Fundamentals 3 hrs</td>
</tr>
<tr>
<td>Fundamentals of Interactive Design 3 hrs</td>
</tr>
<tr>
<td>GEP Communication Foundation 3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drawing Fundamentals I 3 hrs</td>
</tr>
<tr>
<td>Digital Culture &amp; Narrative 3 hrs</td>
</tr>
<tr>
<td>Computer as a Medium 3 hrs</td>
</tr>
<tr>
<td>Digital Media Production I 3 hrs</td>
</tr>
<tr>
<td>Modeling for Realtime Systems 3 hrs</td>
</tr>
</tbody>
</table>

#### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Drawing I 3 hrs</td>
</tr>
<tr>
<td>Media Business Practices 3 hrs</td>
</tr>
<tr>
<td>Foreign Language Elementary Level I 4 hrs</td>
</tr>
<tr>
<td>Restricted Elective 3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Fall

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Programming with C 3 hrs</td>
</tr>
<tr>
<td>Game Design 3 hrs</td>
</tr>
<tr>
<td>GRA 2151C Illustration 3 hrs</td>
</tr>
</tbody>
</table>

#### Junior Year - Spring

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Object Oriented Programming 3 hrs</td>
</tr>
<tr>
<td>Game Production 3 hrs</td>
</tr>
<tr>
<td>Casual Game Production 3 hrs</td>
</tr>
<tr>
<td>Introduction to Animation 3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Fall

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Game Design Workshop 3 hrs</td>
</tr>
<tr>
<td>Foreign Language Elementary Level I 4 hrs</td>
</tr>
<tr>
<td>Elective 3 hrs</td>
</tr>
<tr>
<td>Restricted Elective 3 hrs</td>
</tr>
</tbody>
</table>

#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Game Design Workshop 3 hrs</td>
</tr>
<tr>
<td>Foreign Language Elementary Level II 4 hrs</td>
</tr>
<tr>
<td>Restricted Elective 3 hrs</td>
</tr>
<tr>
<td>Restricted Elective 3 hrs</td>
</tr>
</tbody>
</table>

### Web Design

#### Freshman Year - Fall
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Cultural & Historical Foundation 3 hrs
- GEP Social Foundation 3 hrs

## Early Childhood Development and Education

### Track 1: Education: Pre-Kindergarten - Primary

#### PK-3 (B.S.)

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Building, Room: 209**

**http://education.ucf.edu/ece/**

**Email:** ece@mail.ucf.edu

**Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu**

**Phone:** 407-823-4615

**EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK**

Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL.
Endorsement and Reading Endorsement. Students in this track take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by email (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a "C" (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing scores on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites. FTCE General Knowledge Test (GKT)-passing scores on the GKT is required prior to admission to the major.
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
- FTCE General Knowledge Test (GKT) - passing scores on the GKT are strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (PEd) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) are required prior to entry into Internship.
- 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
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- General Education Program elective from section B2: 3 hrs
  - Prefer MUL 2010 Enjoyment of Music or 3 hrs
  - Prefer PHI 2010 Introduction to Philosophy or 3 hrs
  - Prefer THE 2000 Theatre Survey 3 hrs
- General Education Program elective from section B1 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  - Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Suggested MGF 1106 Finite Mathematics or 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics 3 hrs

E: Science Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer POS 2041 American National Government 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- 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 2190 Child and Adolescent Development for Educators 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1: 3 hrs
- MAC 1105C College Algebra or 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Select 1: 3 hrs
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement Elective 3 hrs

1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

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.

Semester I 15 hrs

- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to admission to the major.
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs
- EEX 4751 Parent Involvement in Education 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EEX 4268 Curriculum Activities in Early Childhood 3 hrs
- EEX 4350 Young Children With Special Needs 3 hrs

Semester II 15 hrs

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4207 Assessment and Evaluation of Young Children 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEX 4350 Young Children With Special Needs 3 hrs
Summer 6 hrs
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Pre-kindergarten/Primary PK -3)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

Semester III 12 hrs
- Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).
- Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu](http://www.clinicalexperiences.education.ucf.edu).

Semester IV 12 hrs
- Satisfactory completion of Internship requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- THE 2000 Theatre Survey 3 hrs

Freshman Year - Summer 6 hrs
- POS 2041 American National Government 3 hrs

Select 1: 3 hrs
- ARE 2000 Early Childhood Art and Creativity or 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

Select 1: 3 hrs
- STA 204AC Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- GEP B1 Elective 3 hrs

Sophomore Year - Spring 12 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs
- CEP B3 Elective ( Prefer course from section B1) 3 hrs

1 Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.

Sophomore Year - Summer
- Satisfaction of the GKT is required for admission to the program and thus must be completed prior to the Junior Year. Refer to [http://www.fldoe.org](http://www.fldoe.org) for test dates and sites.
### Early Childhood Development and Education

#### Track 2: Early Childhood Development (B.S.)

**Degree Requirements**

- **Core Requirements: Basic Level (18 hrs)**
  - **A: Communication Foundations**
    - Required ENC 1101 Composition I 3 hrs
    - Required ENC 1102 Composition II 3 hrs
    - Prefer SPE 1008 Fundamentals of Oral Communication 3 hrs
  - **B: Cultural & Historical Foundations**
    - Prefer MUL 2105 Enjoyment of Music 3 hrs
    - Prefer PHI 2103 Introduction to Philosophy 3 hrs
    - Prefer THE 2001 Theatre Survey 3 hrs
  - **C: Mathematical Foundations**
    - Prefer STA 1063C Basic Statistics Using Microsoft Excel or Preferred STA 2045C Principles of Statistics 3 hrs
  - **D: Social Foundations**
    - Prefer PSY 2012 General Psychology 3 hrs
    - Prefer POS 2041 American National Government 3 hrs
  - **E: Science Foundations**
    - Prefer PSC 1121 Physical Science 3 hrs
  - **Select 1:**
    - Prefer AN 2511 The Human Species 3 hrs
    - Prefer BSC 1005 Biological Principles 3 hrs

- **Courses in the major is required.**

- **Prerequisites** should be completed prior to admission to the major and upper division education courses.

- **Admission Requirements**
  - Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

**Career Development and Education Complex**

- [http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

**Email:** ece@ucf.edu

Dr. Judy Levin, 122L, Judith.Levin@ucf.edu

Phone: 407-823-4315

**Restrictions**

- **Internship:**
  - Restricted Elective with Advisor approval 3 hrs

### Early Childhood Development and Education Track 2: Early Childhood Development (B.S.)

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership, Education Complex**

- [http://education.ucf.edu/ece/](http://education.ucf.edu/ece/)

**Email:** ece@ucf.edu

Dr. Judy Levin, 122L, Judith.Levin@ucf.edu

Phone: 407-823-4315

**EARLY CHILDHOOD DEVELOPMENT TRACK**

Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment.

- Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

**Degree Requirements**

- 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.

**Junior Year - Fall**

- Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE. Refer to [http://www.fldoe.org](http://www.fldoe.org) for test dates and sites.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4661</td>
<td>Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXE 4751</td>
<td>Parent Involvement in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESL</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year - Spring**

- Please note: Passing scores on the Professional Education Test (P Eid) and the Pre-Kindergarten/Primary PK-3 Subject Area Examination sections of the FTCE are required prior to entry into student teaching (EEC 4943 Internship).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition and Applications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 4268</td>
<td>Curriculum Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Junior Year - Summer**

- Please note: Passing scores on the Professional Education Test (P Eid) and the Pre-Kindergarten/Primary PK-3 Subject Area Examination sections of the FTCE are required prior to entry into student teaching (EEC 4943 Internship).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3012</td>
<td>Basic Foundations of Reading</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year - Spring**

- Please note: Passing scores on the Professional Education Test (P Eid) and the Pre-Kindergarten/Primary PK-3 Subject Area Examination sections of the FTCE are required prior to entry into student teaching (EEC 4943 Internship).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4943</td>
<td>Student Teaching</td>
<td>12 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)
UCF Degree Programs

4. Core Requirements: Advanced Level  (60 hrs)
- All methods/specialization/ foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

Semester I  
15 hrs
- EEC 3700 Social and Emotional Development of Young Children  3 hrs
- EEC 4661 Early Childhood Education Theory and Practice  3 hrs
- RED 3310 Early Reading, Writing and Language Arts  3 hrs
- EEX 4751 Parent Involvement in Education  3 hrs
- Restricted Elective with Advisor approval (3/4XXX level) 3 hrs

Semester II  
15 hrs
- EEC 4604 Classroom Management and Guidance of Young Children  3 hrs
- EEC 3613 Observation and Assessment of Young Children  3 hrs
- EEC 4402 Cultural and Family Systems  3 hrs
- EEX 3450 Young Children With Special Needs  3 hrs
- EEC 3008 Early Childhood Children’s Literature  3 hrs

Semester III  
6 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education  3 hrs
- EEC 4528 Infant/Toddler Care and Education  3 hrs

Semester IV  
12 hrs
- PET 4050C Motor Development and Learning  3 hrs
- EEC 4414 Parent-Child Relations  3 hrs

Select Two Early Childhood Development Track Electives
- Note: Students must consult with their advisor regarding approval for elective options.
- EEC 4288 Curriculum Activities in Early Childhood or 3 hrs
- EEC 4524 Organization and Management in Early Childhood or 3 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PEO 3041 Games Analysis or 3 hrs
- PET 3820 Teaching Sports Skills I or 3 hrs
- PET 4710 Methods for Physical Activity for Children and Adolescents or 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL or 3 hrs
- Students in Schools or 3 hrs
- SOW 4650 Child Abuse: Treatment and Prevention or 3 hrs
- SOW 4654 Child's Services or 3 hrs
- EEC 4744 Child Life: Psychosocial Care of Children in Health Settings or 3 hrs
- SOW 3104 Human Behavior and the Social Environment I or 3 hrs

Semester V  
12 hrs
- EEC 4940 Practicum: Early Childhood Development  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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- 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.
- Students interested in a Child Life Specialist Certification should seek advising from the ECDE program faculty for electives selection.
- Students interested in Child Life Specialist Certification: Select SOW 3104 Human Behavior and the Social Environment I as a prerequisite course AND take EEC 4744 Child Life: Psychosocial Care of Children in Health Settings as an elective course

Transfer Notes
- Courses taken at Florida College System institutions may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall  
12 hrs
- EDF 2085 Introduction to Diversity for Educators  3 hrs
- ENC 1101 Composition I  3 hrs
- MGF 1106 Finite Mathematics  3 hrs
- PSY 2012 General Psychology  3 hrs

Freshman Year - Spring  
15 hrs
- ENC 1102 Composition II  3 hrs
- SYG 2010 Social Problems  3 hrs
- PSC 1121 Physical Science  3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children  3 hrs

Select 1:  
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- THE 2000 Theatre Survey  3 hrs

Freshman Year - Summer  
6 hrs
- ARE 2000 Early Childhood Art and Creativity  3 hrs
- MUE 2211 Early Childhood Music and Movement  3 hrs

Sophomore Year - Fall  
15 hrs
- Transfer Note: Courses taken at Florida College System institutions may substitute for select courses with the permission of the department.
- SPC 1608 Fundamentals of Oral Communication  3 hrs
Early Childhood Development and Education

Track 3: Early Childhood Careers (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
Dr. Dierdre Englehart, Deirdre.Englehart@ucf.edu

TRACK 3: EARLY CHILDHOOD CAREERS is an A.S. to B.S. degree program that is available to Seminole State College (SSC) students who have earned an A.S. in Early Childhood. The Early Childhood Careers Track is offered only on the Lake Mary-Sanford UCF Campus. This track provides the opportunity for SSC students to continue their professional preparation by enrolling in Track 3: Early Childhood Careers. Track 3 is restricted to students meeting UCF and the Early Childhood Careers Track Admission Requirements. Students will take a variety of courses related to early childhood careers and the roles professionals serve in furthering quality early childhood programming. Students will be prepared to work with infants, children and families in diverse early childhood settings. The program will prepare students with a solid knowledge base in the overall development of children that meets the educational requirements for staff at Head Start and Early Learning Centers. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum. NOTE: The Track 3: Early Childhood Careers in the Early Childhood Development and Education B.S. degree program does not lead to teacher certification.

Admission Requirements
- Completion of the A.S. degree in Early Childhood Education at Seminole State College
- Have a minimum 2.50 overall GPA for admission to the program. A minimum GPA of 2.75 is required in the professional and overall GPA prior to admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.
- Complete Core Requirements: Basic Level with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students must seek advising with the Early Childhood Careers faculty at the Lake Mary-Sanford UCF Campus prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum GPA of 2.75 is required in the professional and overall GPA for admission to EEC 4942 Practicum: Early Childhood Careers and upon graduation.

1. UCF General Education Program (GEP) (36 hrs)
- Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students are advised to take the preferred courses.
- 30 credit hours of the GEP must be completed prior to admission into Track 3: Early Childhood Careers.

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 MUL 2010 Enjoyment of Music or 3 hrs
  - Prefer PHI 2010 Introduction to Philosophy or 3 hrs
  - Prefer THE 2000 Theatre Survey or 3 hrs
  - General Education Program elective from Section B1 to meet Gordon Rule Requirement.
  - General Education Program elective: Prefer a second course from GEP section B1. 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer MGF 1106 Finite Mathematics or 3 hrs
  - Prefer MGF 1107 Explorations in Mathematics 3 hrs
- Select 1: 3 hrs
  - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
  - Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer PSY 2012 General Psychology 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1211 Physical Science 3 hrs
- Select 1: 3 hrs
  - Prefer ANT 2511 The Human Species or 3 hrs
  - Prefer BSC 1005 Biological Principles 3 hrs
3. Core Requirements: Basic Level (18 hrs)
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- MUE 2211 Early Childhood Music and Movement 3 hrs
- ARE 2000 Early Childhood Art and Creativity 3 hrs
- SYG 2010 Social Problems 3 hrs
- EEC 2732 Health, Safety, and Nutrition for Young Children 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

4. Core Requirements: Advanced Level (51 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
- PET 4050C Motor Development and Learning 3 hrs
- EEC 3008 Early Childhood Children’s Literature 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- EEC 3613 Observation and Assessment of Young Children 3 hrs
- EEC 4402 Cultural and Family Systems 3 hrs
- EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
- EEC 4528 Infant/Toddler Care and Education 3 hrs
- EEC 4414 Parent-Child Relations 3 hrs
- EEC 4211 Science and Math Learning for Young Children 3 hrs
- EEC 4260 Early Childhood Program Evaluation 3 hrs
- EEC 4314 Effective Practices for Guiding Young Children’s Behavior 3 hrs
- EEC 4942 Practicum: Early Childhood Careers 9 hrs

Practicum Requirement Note: Students may have the option to substitute course work for some portion of the Practicum requirement. The substitution(s) must be approved by the student’s Early Childhood Development and Education B.S. - Track 3: Early Childhood Careers Faculty Advisor.

5. Restricted Electives (9 hrs)
- Students who have not completed the Seminole State College GEP may meet those requirements with up to 6 hours of restricted elective credits selected from the appropriate courses listed in the GEP section of the UCF catalog. Students who have completed the GEP will meet with the program faculty advisor to select restricted electives.
- 3 semester hours of restricted elective credit must be 3000 level or higher and approved by program faculty advisor.

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
Junior Year - Spring 15 hrs
EEC 3008 Early Childhood Children’s Literature 3 hrs
EEX 3450 Young Children With Special Needs 3 hrs
EEC 3613 Observation and Assessment of Young Children 3 hrs
EEC 4402 Cultural and Family Systems 3 hrs
Restricted Elective with Advisor approval 3 hrs

Junior Year - Summer 6 hrs
EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
EEC 4528 Infant/Toddler Care and Education 3 hrs

Senior Year - Fall 12 hrs
EEC 4414 Parent-Child Relations 3 hrs
EEC 4211 Science and Math Learning for Young Children 3 hrs
EEC 4260 Early Childhood Program Evaluation 3 hrs
EEC 4314 Effective Practices for Guiding Young Children’s Behavior 3 hrs

Senior Year - Spring 12 hrs
Restricted Elective (3/4XXX level with Advisor approval) 3 hrs
EEC 4942 Practicum: Early Childhood Careers 9 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/academiclearningcompacts.html

Economics (B.S.)
College of Business Administration
Department of Economics,
Business Administration II, Room: 305
http://www.bus.ucf.edu/economics

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Required STA 2023 Statistical Methods I 3 hrs
   Required MAC 1105C College Algebra 3 hrs

   C: Mathematical Foundations (6 hrs)
   Required STA 2023 Statistical Methods I 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (18 hrs)
- None

4. Core Requirements: Advanced Level (12 hrs)
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

5. Restricted Electives (27 hrs)
- All B.S. Economics majors will be required to take a minimum of nine (9) electives by choosing from the following:
  - ECO 3223 Money and Banking 3 hrs
  - ECO 3410 Mathematical Economics 3 hrs
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4303 History of Economic Thought 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECO 4713 International Macroeconomics 3 hrs
  - ECO 4751 Law and Economics 3 hrs
  - ECO 4904 Topics in Econometrics 3 hrs
  - ECO 5004 Seminar on Current Economic Topics 3 hrs
  - ECP 3401 Development Economics 3 hrs
  - ECP 4403 Industrial Organization and Game Theory 3 hrs
  - ECP 4902 Capstone in Economics 1 hr

6. Capstone Requirements (1 hr)
- ECO 4902 Capstone in Economics 1 hr

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
UCF Degree Programs

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 majoring in Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, and ECS course and in every course applied towards the major as well as a 2.0 overall average in the major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA.
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Economics, Business

Certificates

- None

Related Minors

- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Only grades of “C” (2.0) or better transfer into the program and students must have a “C” or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

- ENC 1101: Composition I 3 hrs
- MAC 1105C: College Algebra 3 hrs
- ECO 2013: Principles of Macroeconomics 3 hrs
- Free Elective: 3 hrs
- Cultural Foundation (GEP) 3 hrs

Freshman Year - Spring

- ECO 2023: Principles of Microeconomics 3 hrs
- ENC 1102: Composition II 3 hrs
- STA 2023: Statistical Methods I 3 hrs
- Social Science Foundation II (ANT/SYG/PSY) (GEP) 3 hrs
- Free Elective: 3 hrs

Sophomore Year - Fall

- SPC 1608: Fundamentals of Oral Communication 3 hrs
- ECO 3401: Quantitative Business Tools I 3 hrs
- Science Foundation I (GEP) 3 hrs
- Historical Foundation I (GEP) 3 hrs
- Free Elective: 3 hrs

- ECO 3101: Intermediate Microeconomics 3 hrs
- 1 ECO 3411: Quantitative Business Tools II 3 hrs
- Foreign Language II: 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs

Junior Year - Fall

- ECO 3203: Intermediate Macroeconomics 3 hrs
- ECO Elective (MAJ): 3 hrs
- ECO Elective (MAJ): 3 hrs
- ECO Elective (MAJ): 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs

Senior Year - Fall

- ECO 4902: Capstone in Economics 1 hr
- ECO Elective (MAJ): 3 hrs
- ECO Elective (MAJ): 3 hrs
- ECO Elective (MAJ): 3 hrs
- Free Elective: 3 hrs
- Free Elective: 3 hrs

Senior Year - Spring

- ECO Elective (MAJ): 3 hrs
- ECO Elective (MAJ): 3 hrs
- ECO Elective (MAJ): 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/academiclearningcompacts.html

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://business.ucf.edu/undergraduate-programs

Michael Caputo, mcaputo@bus.ucf.edu
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of “C” (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites
Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Business Economics must apply for admission to the major.
- Any student reentering a business degree must complete a minimum of 30 of the 59 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Economics major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Economics major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Economics must earn a grade of “C” (2.0) or better in the following course and each course applied towards the major:
  - ECO 3411 Quantitative Business Tools II 3 hrs
1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication
   - Required CGS 2100C Computer Fundamentals for Business 3 hrs
   - Required MAC 1105C College Algebra 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   - Required MAC 1105C College Algebra 3 hrs
   - Required CGS 2100C Computer Fundamentals for Business 3 hrs
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   - Prefer ECO 2023 Principles of Microeconomics 3 hrs
   - Prefer ECO 2013 Principles of Macroeconomics 3 hrs
   Select 1: 3 hrs
   - Suggested ECO 2013 Principles of Macroeconomics 3 hrs
   - Suggested ECO 2023 Principles of Microeconomics 3 hrs
   E: Science Foundations (6 hrs)
   - Must be completed with a “C” (2.0) or better.
   - ACG 2011 Principles of Financial Accounting 3 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - ECS 2100C Computer Fundamentals for Business 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   Select one of the following sequences of courses:
   - Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
     - ECO 3401 Quantitative Business Tools I 3 hrs
     - or
     - MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs
     1 or MAC 2311 and MAC 2312

3. Core Requirements: Advanced Level (34 hrs)
   - None

4. Core Requirements: Basic Level
   - None

5. Restricted Electives (21 hrs)
   - All B.S.B.A. economics majors will be required to take six (6) electives by choosing from the following:
     - ECO 3410 Mathematical Economics 3 hrs
     - ECO 4210 Econometrics 3 hrs
     - ECO 4054 Public Economics 3 hrs
     - ECO 4713 International Macroeconomics 3 hrs
     - ECO 4751 Law and Economics 3 hrs
     - ECP 3004 Seminar on Current Economic Topics 3 hrs
     - ECP 3203 Labor Economics 3 hrs
     - ECP 4303 Environmental and Natural Resource Economics 3 hrs
     - ECP 4401 Industrial Organization and Game Theory 3 hrs
     - ECP 4013 Development Economics 3 hrs
     - ECP 4934 Topics in Econometrics 3 hrs
     - ECP 4530 Health Economics 3 hrs
   - Business Elective 3 hrs
   - Choose any upper level business course.
   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 4210 Econometrics 3 hrs
     - ECO 4054 Public Economics 3 hrs
     - ECO 4713 International Macroeconomics 3 hrs
     - ECO 4751 Law and Economics 3 hrs
     - ECP 3004 Seminar on Current Economic Topics 3 hrs
     - ECP 3203 Labor Economics 3 hrs
     - ECP 4303 Environmental and Natural Resource Economics 3 hrs
     - ECP 4401 Industrial Organization and Game Theory 3 hrs
     - ECP 4013 Development Economics 3 hrs
     - ECP 4934 Topics in Econometrics 3 hrs
     - ECP 4530 Health Economics 3 hrs

6. Capstone Requirements (4 hrs)
   - An approved Intent to Graduate must be on file in order to register for MAN 4720.
     - ECO 4902 Capstone in Economics 1 hr
     - MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   - 5. Electives
     - Variable
   - 9. Additional Requirements
     - None
   - 10. Required Minors
     - None

11. Departmental Exit Requirements
   - A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C”(2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete a minimum of 30 of the 59 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- General electives as required to earn 120 credit hours.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Science 3 hrs
- Historical Foundation I 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- CGB 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Science 3 hrs

Junior Year - Fall
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3403 Business Finance 3 hrs
- GEB 3003 Career Research & Planning 1 hr

Senior Year - Fall
- ECO 3101 Intermediate Microeconomics 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- Economics Restricted Elective 3 hrs
- Business Elective 3 hrs
- GEB 3005 Career Search Strategy 1 hr

Senior Year - Spring
- ECO 3203 Intermediate Macroeconomics 3 hrs
- Economics Restrictive Elective 3 hrs
- Economics Restricted Elective 3 hrs
- Elective 2 hrs
- GEB 4223 Business Interviewing Techniques 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Electrical Engineering (B.S.E.E.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Email: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHS 1440 or CHM 2045C.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.
Degree Requirements

- Students in the Electrical Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled on, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Electrical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Electrical Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Electrical Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Electrical Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Prefer SPC 1603C Fundamentals of Technical Presentations or 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select one 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.
  - MAC 2311C Calculus with Analytic Geometry I GEP
  - MAC 2312 Calculus with Analytic Geometry II GEP
  - MAC 2313 Calculus with Analytic Geometry III GEP
  - PHY 2048C Physics for Engineers & Scientists I GEP
  - PHY 2049C Physics for Engineers and Scientists II GEP
  - MAP 2302 Ordinary Differential Equations I 3 hrs

Select 1:
- 2 CHS 1440 Principles of Chemistry or 4 hrs
- 2 CHM 2045C Chemistry Fundamentals I 4 hrs
- 1 A “C” (2.0) or better is required in this course.
- 1 Preferred

3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 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.

EGS 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 9 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3052 Probability and Statistics for Engineers GEP
- PHY 3101 Physics for Engineers and Scientists III 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 44 hrs
- EEL 304C Electrical Networks 3 hrs
- EEL 312C Networks and Systems 4 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 3370C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- EEL 3123C Networks and Systems 3 hrs
- EEL 380C Computer Organization 3 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs

5. Restricted Electives (10 hrs)

- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

Technical Electives 10 hrs

- Technical elective courses are to be selected by the student from department approved courses.
### Plan of Study

**Freshman Year - Fall**
- EGS 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- GEP- Historical Foundation 3 hrs

#### Select 1
- 1 SPC 1603C Fundamentals of Technical Presentations 3 hrs
- or
- SPC 1608 Fundamentals of Oral Communication 3 hrs

- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- ENC 1101 Composition I 3 hrs

#### Select 1:
- CHS 1440 Principles of Chemistry or 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

**Freshman Year - Spring**
- EGN 1007C Engineering Concepts and Methods 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- ENC 1101 Composition I 3 hrs

#### Select 1:
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

**Sophomore Year - Fall**
- ENC 1102 Composition II 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

**Sophomore Year - Spring**
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- EEL 3004C Electrical Networks 3 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- EEE 3342C Digital Systems 3 hrs
- GEP- Cultural Foundation 3 hrs

**Sophomore Year - Summer**
- EGN 3211 Engineering Analysis and Computation 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP- Social Foundation 3 hrs

**Junior Year - Fall**
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 3 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP- Science Foundation 3 hrs

**Junior Year - Spring**
- EEE 3307C Electronics I 4 hrs
- EEL 3567 Linear Control Systems 3 hrs
- EEL 4742C Embedded Systems 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

**Senior Year - Fall**
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 4 hrs
- GEP-Historical Foundation 3 hrs

**Senior Year - Spring**
- EEL 4915L Senior Design II 3 hrs
- EEL 4309C Electronics II 4 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

### Related Programs

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

### Certificates

- None

### Honors In Major

- 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, and nine hours of Summer credit.

### Total Semester Hours Required

- 129

### 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.

### Transfer Notes

- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

### Acceptable Substitutes for Transfer Courses

- None
Elementary Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Complex, Room: 209
http://education.ucf.edu/eledem/
Dr. Michelle Kelley, michelle.kelley@ucf.edu, 407-823-1764

The Elementary Education program offers students the option of two tracks: Elementary Education - Education track (K-6) and Elementary Education - Lifelong Learning track (non-certification). The Education track is appropriate for students interested in opportunities for employment with formal K-6 schools that require certification. The Lifelong Learning track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Education Track
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).

Lifelong Learning Track
- Complete all LLL Track Core Requirements: Basic Level courses with a minimum letter grade of “C-” (1.75) or better.
- The Lifelong Learning Track is non-certification program and does not require the General Knowledge Test (GKT).

Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education track (K-6) is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1088 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- General Education Program course from section B1 3 hrs
- chosen meet Gordon Rule requirement
- General Education Program course: Prefer a second course from GEP section B1 3 hrs

Select 1: 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy or 3 hrs
- Prefer MUL 2010 Enjoyment of Music 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1: 3 hrs
- Suggested MAC 1105C College Algebra or 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

Select 1: 3 hrs
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- 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 (6 hrs)
- Prefer MGF 1107 Explorations in Mathematics 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.

Education Track
- Lifelong Learning Track requires 15 hours
- Lifelong Learning Track requires 12 hours

3. Core Requirements: Basic Level (12 hrs)
- Education Track requires 15 hours
- Lifelong Learning Track requires 12 hours
- MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

4. Core Requirements: Advanced Level (60 hrs)
- Education Track requires 60 hours
- Lifelong Learning Track requires 63 hours
- The following recommended sequence of required upper division courses may vary at regional campus locations.
- Both Education Track and Lifelong Learning Track majors are required to complete the Advanced Level courses listed under: Semester I, Semester II and Summer.
- Students must complete the Advanced Level courses required for their selected track (Education Track or Lifelong Learning Track) Semester III and Semester IV.

Semester I 15 hrs
- 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
- 1 MAE 2801 Elementary School Mathematics 4 hrs
- 1 Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
- 2 MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

Semester II 15 hrs
- 1 EDF 2085 Introduction to Diversity for Educators 3 hrs
- 1 EME 2040 Introduction to Technology for Educators 3 hrs

Semester III 15 hrs
- 1 RED 3012 Basic Foundations of Reading 3 hrs
- 1 MHS 2350 Career Planning 3 hrs
- 1 MAE 3813 Elementary Literacy in the Content Areas 3 hrs

Semester IV 15 hrs
- 1 MHS 2360 Literacy for Multilingual Students 3 hrs
- 1 MHS 2361 Literacy and Language Across the Curriculum 3 hrs
- 1 EDG 4410 Teaching Exceptional Students 3 hrs
- 1 EEX 4070 Teaching Exceptional Students 3 hrs
- 1 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
- 1 Students in Schools

1 Required prior to Internship 1
Education Track: Semester IV (Internship II) 12 hrs

1 Required prior to Internship I

Summer
EDF 4467 Learning Theory and Assessment 3 hrs

Fall
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

Spring
EDG 4411 Teaching Theory and Assessment 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Education Track: Semester III (Internship I) 12 hrs Block

Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to 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 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://education.ucf.edu/clinicallexp/ for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801

EDG 4942 Practicum for Assessment and Instruction 3 hrs
MAE 4326 How Children Learn Mathematics 3 hrs
1 EDE 3942 Internship I 3 hrs
EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

1 RED 4942, MAE 4326, and EDE 4223 are taken concurrently with EDE 3942 Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Lifelong Learning Track: Semester IV (Internship II) 12 hrs

Students must have a total of 48 or more hours of upper level courses to graduate.

Three (3) hours of Lifelong Learning Specialization coursework should be completed prior to your Sophomore year. Refer to the Plan of Study for the recommended sequence of courses.

Eighteen (18) hours of Lifelong Learning Specialization coursework should be completed during Semester III and Semester IV of your Senior Year.

ARE 4356 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
ARE 4250 Art for Exceptionalities 3 hrs
PET 2081 Wellness, Children and Schools 1 hr
ECC 4402 Cultural and Family Systems 3 hrs
ECC 4414 Parent-Child Relations 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3118 Digital Tools and Technologies: Graphic Design 3 hrs
DIG 3554 Digital Tools and Technologies: Web Design 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
EEX 2090 Exceptional Populations in School and Society 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EEX 4601 Introduction to Behavior Management 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

Lifelong Learning Track: Semester III 12 hrs
EDG 4949 Experiential Learning in Education 3 hrs
EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
Choose Lifelong Learning Specialization courses 12 hrs

Select one Elective Course 3 hrs

5. Restricted Electives
None

6. Capstone Requirements
None

7. Foreign Language Requirements

Admissions
State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements

Achieve a minimum overall 2.5 GPA within the major.
Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs

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## Undergraduate Catalog 2015-2016

### UCF Degree Programs

**Education Track**
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

### Sophomore Year - Fall
- GEP B1 Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Education Track
- Choose Lifelong Learning Specialization course 3 hrs

### Sophomore Year - Spring
- Select 1:
  - Education Track requires 14 hours
  - Lifelong Learning Track requires 15 hours
  - GEP B3 Elective ( Prefer course from section B1) 3 hrs
  - MAE 2801 Elementary School Mathematics 4 hrs
  - STA 2014C Principles of Statistics 3 hrs
  - EDF 2065 Introduction to Diversity for Educators 3 hrs

### Education Track
- 1 hr
  - PET 2081 Wellness, Children and Schools 1 hr

### Lifelong Learning Track
- 2 hrs
  - EDG 2949 Experiential Learning in Education 2 hrs

### Related Minors
- None

### Certificates
- 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
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs

### Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- Phil 2100 Introduction to Philosophy 3 hrs

### Education Track
- 3 hrs
  - MAC 1105C College Algebra 3 hrs

### Lifelong Learning Track
- 3 hrs
  - MAC 1105C College Algebra or 3 hrs
  - MGF 1106 Finite Mathematics or 3 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs

### Freshman Year - Spring
- Select 1:
  - Education Track requires 13 hours
  - Lifelong Learning Track requires 12 hours
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - ENC 1102 Composition II 3 hrs
  - PSY 2101 General Psychology 3 hrs
  - PSC 1121 Physical Science 3 hrs

### Education Track
- 1 hr
  - PSC 1121L Physical Science Lab 1 hr

### Freshman Year - Summer
- POS 2041 American National Government 3 hrs

### Education Track
- MGF 1106 Finite Mathematics 3 hrs

### Lifelong Learning Track
- 3 hrs

### Sophomore Year - Fall
- Choose Lifelong Learning Specialization course 3 hrs

### Education Track
- 3 hrs

### Lifelong Learning Track
- 3 hrs

### Senior Year - Fall
- EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs

### Education Track
- 3 hrs

### Lifelong Learning Track
- 9 hrs

### Senior Year - Spring
- Choose Lifelong Learning Specialization courses 6 hrs

### Education Track
- 12 hrs

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Lifelong Learning Track  
12 hrs
Choose Lifelong Learning Specialization courses  
12 hrs

Program Academic Learning Compacts  
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees  
- Part-Time Student: $6 per term  
- Full-Time Student: $12 per term

English - Creative Writing (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Phone: 407-823-5596

Admission Requirements  
- None

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog  
- Students must earn at least a “C” (2.0) in each required course  
- Co-op or internship credit cannot be used in the major  
- Students should consult with a departmental advisor  
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department  
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

A: Communication Foundations  
Required ENC 1101 Composition I  
3 hrs  
Required ENC 1102 Composition II  
3 hrs  
Prefer SPC 1608 Fundamentals of Oral Communication  
3 hrs

B: Cultural & Historical Foundations  
Prefer LIT 2110 World Literature I  
3 hrs  
Prefer LIT 2120 World Literature II  
3 hrs  
Select one class from B.1 list  
3 hrs

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

Statistics - Computers  
Select a course from GEP C.2 list  
3 hrs

D: Social Foundations  

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

1 ENC 1101 Composition I  
GEP  
ENC 1102 Composition II  
GEP

1 See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level  
(9 hrs)

CRW 3013 Creative Writing for English Majors  
3 hrs  
1 ENG 3014 Theories and Techniques of Literature or  
3 hrs  
Study  
CRW 3053 Theory & Practice of Creative Writing  
3 hrs

1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level  
(12 hrs)

- Literary History Requirement  
- Choose four courses from these two groupings

Select at least one of these pre-1865 literature courses.  
Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1:  
(3 hrs)

- AML 3041 American Literature I or  
3 hrs  
AML 3614 Topics in African-American Literature or  
3 hrs  
AML 3616 Early American Women’s Words or  
3 hrs  
AML 3643 Contemporary Native American Prose and Poetry or  
3 hrs  
AML 4101 American Novel or  
3 hrs  
AML 4155 Modern American Poetry or  
3 hrs  
AML 4261 Literature of the South or  
3 hrs  
AML 4265 Florida Writers or  
3 hrs  
AML 4321 Modern American Literature or  
3 hrs  
AML 4630 Latin/Latina Literature or  
3 hrs  
ENL 2022 English Literature II or  
3 hrs  
ENL 4011 English Novel or  
3 hrs  
ENL 4253 The Victorian Age or  
3 hrs  
ENL 4262 Nineteenth Century British Prose or  
3 hrs  
ENL 4273 Modern British Literature or  
3 hrs  
LIT 3082 Continental European Fiction Since 1900 or  
3 hrs  
LIT 3192 Caribbean Literature or  
3 hrs  
LIT 4043 Modern Drama As Literature or  
3 hrs  
LIT 4184 Irish Literature or  
3 hrs  
LIT 4303 Post-World War II Fiction or  
3 hrs  
LIT 3823 Hispanic Women Writers or  
3 hrs

Select at least one of these post-1865 literature courses.  
(3 hrs)

- Each semester, additional courses may satisfy this requirement. Check with an advisor for details.

Select 1:  
(3 hrs)

- AML 3041 American Literature I or  
3 hrs  
AML 3614 Topics in African-American Literature or  
3 hrs  
AML 3615 Harlem, Haiti, and Havana or  
3 hrs  
AML 3643 Contemporary Native American Prose and Poetry or  
3 hrs  
AML 4101 American Novel or  
3 hrs  
AML 4155 Modern American Poetry or  
3 hrs  
AML 4261 Literature of the South or  
3 hrs  
AML 4265 Florida Writers of or  
3 hrs  
AML 4321 Modern American Literature or  
3 hrs  
AML 4630 Latin/Latina Literature or  
3 hrs  
ENL 2022 English Literature II or  
3 hrs  
ENL 4011 English Novel or  
3 hrs  
ENL 4253 The Victorian Age or  
3 hrs  
ENL 4262 Nineteenth Century British Prose or  
3 hrs  
ENL 4273 Modern British Literature or  
3 hrs  
LIT 3082 Continental European Fiction Since 1900 or  
3 hrs  
LIT 3192 Caribbean Literature or  
3 hrs  
LIT 4043 Modern Drama As Literature or  
3 hrs  
LIT 4184 Irish Literature or  
3 hrs  
LIT 4303 Post-World War II Fiction or  
3 hrs  
LIT 3823 Hispanic Women Writers or  
3 hrs

5. Restricted Electives  
(15 hrs)

- Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

a. Choose two of the following:  
(6 hrs)

Select 2:  
(6 hrs)

CRW 3120 Fiction Writing Workshop or  
3 hrs  
CRW 3311 Creative Nonfiction Writing or  
3 hrs  
CRW 3310 Poetry Writing Workshop or  
3 hrs  
CRW 3610 Writing Scripts or  
3 hrs

b. Choose two of the following:  
(6 hrs)

Select 2:  
(6 hrs)

CRW 4122 Advanced Fiction Writing Workshop or  
3 hrs  
1 CRW 4224 Advanced Nonfiction Writing Workshop or  
3 hrs  
CRW 4320 Advanced Poetry Writing Workshop or  
3 hrs  
CRW 4616 Advanced Scriptwriting Workshop or  
3 hrs

1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.

c. Choose one of the following:  
(3 hrs)

Select 1:  
(3 hrs)

CRW 3311 Readings in Poetry for Creative Writing or  
3 hrs  
CRW 3540 Literary Magazines or  
3 hrs  
CRW 4114 History of Prose Style or  
3 hrs  
CRW 4724 The Florida Review or  
3 hrs  
CRW 4014 The Writing Life or  
3 hrs  
CRW 4722 Editing for Creative Writers or  
3 hrs  
any other CRW elective or Special Topics course or  
3 hrs

UNIVERSITY OF CENTRAL FLORIDA

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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 and achieve a minimum GPA of 2.0 in all courses used towards the major.
■ Computer Competency met by completion of CRW 3013.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors in Major
■ Application and admission through the English Honors Committee and the Honors College.
■ Fulfill University requirements for Honors in the Major.
■ Grade of “B” (3.0) or better in an English graduate or undergraduate course or in a graduate or undergraduate course outside the major that relates to thesis with approval (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
■ Successful completion and oral defense of Honors thesis.

Related Programs
■ English - Technical Communication
■ English - Literature

Certificates
■ None

Related Minors
■ Linguistics
■ English - Technical Communication
■ Writing and Rhetoric
■ English - Literature

Advising Notes
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

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**Freshman Year - Fall** 15 hrs
- ENC 1101  Composition I  3 hrs
- HUM 2210  Humanistic Tradition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- POS 2041  American National Government  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

**Freshman Year - Spring** 16 hrs
- ENC 1102  Composition II  3 hrs
- CHM 1020  Concepts in Chemistry  3 hrs
- LIT 2110  World Literature I  3 hrs
- STA 1063C  Basic Statistics Using Microsoft Excel  3 hrs
- SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs

**Sophomore Year - Fall** 16 hrs
- LIT 2120  World Literature II  3 hrs
- PSY 2012  General Psychology  3 hrs
- SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs
- 1 Restricted Elective  3 hrs
- BSC 1005  Biological Principles  3 hrs

1 Check restrictions

**Sophomore Year - Spring** 15 hrs
- CRW 3013  Creative Writing for English Majors  3 hrs
- AML 3031  American Literature I  3 hrs
- ENL 3296  Gothic Literature  3 hrs
- SPN 2200  Intermediate Spanish Language and Civilization I  3 hrs
- CRW 3053  Theory & Practice of Creative Writing  3 hrs

**Junior Year - Fall** 15 hrs
- ENS 3014  Theories and Techniques of Literature Study  3 hrs
- AML 3041  American Literature II  3 hrs
- CRW 3211  Creative Nonfiction Writing  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs

**Junior Year - Spring** 15 hrs
- ENL 4101  English Novel  3 hrs
- CRW 3120  Fiction Writing Workshop  3 hrs
- CRW 4224  Advanced Nonfiction Workshop  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs

**Senior Year - Fall** 12 hrs
- CRW 3311  Readings in Poetry for Creative Writing  3 hrs
- CRW 4122  Advanced Fiction Writing Workshop  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs

**Senior Year - Spring** 13 hrs
- CRW 3610  Writing Scripts  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  1 hr

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeus.ucf.edu/academiclearningcompacts.html

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**English - Literature (B.A.)**

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu

Email: english@ucf.edu
Phone: 407-823-5596

**Admission Requirements**
■ None

**Degree Requirements**
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a “C” (2.0) in each required course.
■ Co-op or internship credit is not accepted in the major.
UCF Degree Programs

- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - Required ENC 1101 Composition I: 3 hrs
   - Required ENC 1102 Composition II: 3 hrs
   - Preferred SPC 1608 Fundamentals of Oral Communication: 3 hrs

   B: Cultural & Historical Foundations
   - Preferred LIT 2110 World Literature I: 3 hrs
   - Preferred LIT 2120 World Literature II: 3 hrs
   - Select one class from B.1 list: 3 hrs

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

   Statistics - Computers
   - Select a course from GEP C.2 list: 3 hrs

   D: Social Foundations
   - (6 hrs)

   E: Science Foundations
   - (6 hrs)

2. Common Program Prerequisites (CPP)
   1. ENC 1101 Composition I: 3 hrs
   2. ENC 1102 Composition II: 3 hrs

   See transfer notes for possible substitutions.

3. Core Requirements: Basic Level (6 hrs)
   - 1 ENG 3014 Theories and Techniques of Literature Study: 3 hrs

Choose one gateway course: 3 hrs
   - CRW 3013 Creative Writing for English Majors: 3 hrs
   - ENC 3241 Writing for the Technical Professional: 3 hrs
   - CRW 3053 Theory & Practice of Creative Writing: 3 hrs

   1 Pre requisite for all 4000 level AML, ENG, ENL, or LIT courses

   2. 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
   - AML 3031 American Literature I or: 3 hrs
   - AML 3613 Narratives of Slavery or: 3 hrs
   - ENL 2012 English Literature I or: 3 hrs
   - ENL 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
   - LIT 4374 Literature of the Bible or: 3 hrs
   - AML 3286 Early American Women’s Words or: 3 hrs
   - AML 3640 Native American Literature or: 3 hrs
   - ENL 3296 Gothic Literature: 3 hrs

   Select at least two post-1865 literature courses: 6 hrs
   - Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.
   - Select 2:
     - AML 3041 American Literature II or: 3 hrs
     - AML 3283 Contemporary American Women’s Fiction: 3 hrs
     - AML 3614 Topics in African-American Literature or: 3 hrs
     - AML 3615 Harlem, Haiti, and Havana or: 3 hrs
     - AML 3643 Contemporary Native American Prose or: 3 hrs
     - AML 4101 American Novel or: 3 hrs
     - AML 4155 Modern American Poetry or: 3 hrs
     - AML 4261 Literature of the South or: 3 hrs

   AML 4265 Florida Writers or: 3 hrs
   AML 4321 Modern American Literature or: 3 hrs
   AML 4630 Latino/Latina Literature or: 3 hrs
   ENL 2022 English Literature II or: 3 hrs
   ENL 4101 English Novel or: 3 hrs
   ENL 4253 The Victorian Age or: 3 hrs
   ENL 4262 Nineteenth Century British Prose or: 3 hrs
   ENL 4273 Modern British Literature or: 3 hrs
   LIT 3062 Continental European Fiction Since 1900 or: 3 hrs
   LIT 3192 Caribbean Literature or: 3 hrs
   LIT 4043 Modern Drama As Literature or: 3 hrs
   LIT 4184 Irish Literature or: 3 hrs
   LIT 4303 Post-World War II Fiction or: 3 hrs
   LIT 3823 Hispanic Women Writers: 3 hrs

5. Restricted Electives (15 hrs)
   - Upper Division Requirements
     - Choose one single author or major author course:
       - Select 1: 3 hrs
         - AML 4300 Major American Authors or: 3 hrs
         - ENL 4311 Chaucer or: 3 hrs
         - ENL 4341 Milton and His Age or: 3 hrs
         - ENL 4333 Shakespeare Studies or: 3 hrs
         - ENL 4303 British Authors or: 3 hrs
         - LIT 4244 World Authors: 3 hrs

     - Choose one linguistics or theory course: 3 hrs
       - Select 1: 3 hrs
         - ENG 3010 Practical Criticism or: 3 hrs
         - LIN 3010 Principles of Linguistics or: 3 hrs
         - LIN 4105 History of the English Language or: 3 hrs
         - LIN 4643 Cross Cultural Communication or: 3 hrs
         - LIN 4680 Linguistics and Literature or: 3 hrs
         - LIN 4680 Modern English Grammar or: 3 hrs
         - LIT 4554 Advanced Feminist Theories: 3 hrs

   Three additional upper level courses: 9 hrs
   - AML, ENL, LIT or ENG prefix

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - 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 and achieve a minimum GPA of 2.0 in all courses used towards the major.
    - Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Sophomore Year - Spring 15 hrs

- ENL 4273 Modern British Literature 3 hrs
- LIN 4105 History of the English Language 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Fall 16 hrs

- ENL 4210 American Novel 3 hrs
- ENL 4233 Shakespeare Studies 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 15 hrs

- ENL 3231 Restoration Literature 3 hrs
- AML 4261 Literature of the South 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 15 hrs

- AML 4101 American Novel 3 hrs
- ENL 4253 The Victorian Age 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 1 hr

Senior Year - Spring 13 hrs

- LIT 3383 Women in Literature 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 1 hr

Senior Year - Fall 15 hrs

- AML 4101 American Novel 3 hrs
- EN 4253 The Victorian Age 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oed.ucf.edu/academiclearningcompacts.html

English - Technical Communication (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Phone: 407-823-5596

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required ENL 1101 Composition I 3 hrs
- Required EN 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

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

Statistics - Computers (3 hrs)
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)
3. Core Requirements: Basic Level (6 hrs)
Select 1: 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
Select 1: 3 hrs
CRW 3013 Creative Writing for English Majors or 3 hrs
ENG 3014 Theories and Techniques of Literature or 3 hrs
CRW 3053 Theory & Practice of Creative Writing or 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
ENC 4280 Technical Writing Style 3 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
LIT 4433 Literature of Science and Technology 3 hrs
Select 1: 3 hrs
ENC 4215 Technical Publication and Project Management or 3 hrs
ENC 4218 The Visual in Technical Documentation 3 hrs

Literary History Requirement 9 hrs
Choose three courses from these two groupings

Select at least one of these pre-1865 literature courses
AML 3031 American Literature I or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
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 or 3 hrs
AML 3286 Early American Women’s Words or 3 hrs
AML 3640 Native American Literature or 3 hrs
ENL 3296 Gothic Literature or 3 hrs

Select at least one of these post 1865 literature courses
AML 3041 American Literature II or 3 hrs
AML 3283 Contemporary American Women’s Fiction or 3 hrs
AML 3614 Topics in African-American Literature or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
AML 4101 American Novel or 3 hrs
AML 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 I or 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4253 The Victorian Age or 3 hrs
ENL 4262 Nineteenth Century British Prose or 3 hrs
ENL 4273 Modern British Literature or 3 hrs
LIT 3902 Continental European Fiction Since 1900 or 3 hrs
LIT 3192 Caribbean Literature or 3 hrs
LIT 4043 Modern Drama As Literature or 3 hrs
LIT 4184 Irish Literature or 3 hrs
LIT 4303 Post-World War II Fiction or 3 hrs
AML 3843 Contemporary Native American Prose and Poetry or 3 hrs
LIT 3823 Hispanic Women Writers or 3 hrs

5. Restricted Electives (6 hrs)
Select 2: 6 hrs
ENC 4262 International Technical Communication or 3 hrs
ENC 4265 Writing for the Computer Industry or 3 hrs
ENC 4290 Usability Testing for Technical Communication or 3 hrs

ENC 4414 Writing and Hypertext or 3 hrs
ENC 4298 Technical Communication for the Virtual Workplace or 3 hrs
ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

Optional course:
ENC 4941 Internship 1 hr

6. Capstone Requirements

7. Foreign Language Requirements

Admissions
Met by graduation requirement

Graduation
Required to meet the University’s University requirements for Honors in the Major.

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

10. Required Minors

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

Honors In Major (9 hrs)
Application and admission through the English Honors Program and the Honors College.
Fulfill University requirements for Honors in the Major.
Grade of “B” (3.0) or better in an English graduate or undergraduate level course or in a graduate or undergraduate level course outside the major that relates to thesis with approval (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
Successful completion and oral defense of Honors thesis.

Related Programs
Certificates
Related Minors
English - Creative Writing
English - Literature
English - Linguistics
Writing and Rhetoric
### Plan of Study

- **One of the numerous possible plans of study.** See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

#### Sophomore Year - Fall 16 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- BSC 1005 Biological Principles 3 hrs
- Restricted Elective 3 hrs

#### Sophomore Year - Spring 15 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- AML 3613 Narratives of Slavery 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 4 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Fall 15 hrs
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- AML 3041 American Literature II 3 hrs
- LIT 4433 Literature of Science and Technology 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring 15 hrs
- ENC 4294 Documenting and Client-Based Collaboration 3 hrs
- ENC 4280 Technical Writing Style 3 hrs
- LIT 3313 Science Fiction 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Fall 12 hrs
- ENC 4218 The Visual In Technical Documentation 3 hrs
- ENC 4262 International Technical Communication 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring 13 hrs
- ENC 4414 Writing and Hypertext 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

### English Language Arts Education (B.S.)

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership**

**Education Building, Room: 209**


Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu, 407-823-5179

Dr. Janet Andreasean, Janet.Andreasean@ucf.edu

The English Language Arts Education B.S. program offers students the option of two tracks: English Language Arts Education - Education Track and English Language Arts Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

### Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)** (36 hrs)
   - Students are advised to take the preferred courses.
   
   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Required SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - General Education Program course from section B1 to meet Gordon Rule Requirement
   - Required LIT 2110 World Literature I 3 hrs

   **Select 1:**
   - Prefer MUL 2010 Enjoyment of Music or 3 hrs
   - Prefer THE 2000 Theatre Survey or 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs

   **Select 1:**
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs

### Program Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- The English Language Arts Education B.S. program offers students the option of two tracks: English Language Arts Education - Education Track and English Language Arts Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

### Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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   - Students are advised to take the preferred courses.
   
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   - General Education Program course from section B1 to meet Gordon Rule Requirement
   - Required LIT 2110 World Literature I 3 hrs

   **Select 1:**
   - Prefer MUL 2010 Enjoyment of Music or 3 hrs
   - Prefer THE 2000 Theatre Survey or 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs

   **Select 1:**
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C Principles of Statistics 3 hrs
UCF Degree Programs

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
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
- SPC 1608 Fundamentals of Oral Communication GEP
- LIT 2110 World Literature I GEP

Select 2: 3 hrs
- Select 1: 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
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP
- SPC 1608 Fundamentals of Oral Communication GEP
- LIT 2110 World Literature I GEP

Select 1: 3 hrs
- Select 1: 3 hrs

3. Core Requirements: Basic Level (12 hrs)
- Education Track requires 12 semester hours
- Lifelong Learning Track requires 15 semester hours

Education Track 12 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I GEP
- LIT 2120 World Literature II 3 hrs
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 hrs

Select 1: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

Lifelong Learning Track 15 hrs
- MHS 2330 Career Planning 3 hrs
- LIT 2110 World Literature I GEP
- LIT 2120 World Literature II 3 hrs
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 hrs

Select 1: 3 hrs
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (60 hrs)
- Education Track requires 63 semester hours
- Lifelong Learning Track requires 60 semester hours

Education Core Requirements 21 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- Pref 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- Pref 1 EDF 4467 Learning Theory and Assessment 3 hrs
- Pref 1 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
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Select 1: 3 hrs
- Select 1: 3 hrs

Internship I Block 9 hrs
- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading 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/clinicalexperiences.

Internship II 12 hrs
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (English 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- LAE 4941 Internship 12 hrs

Lifelong Learning Track Specialization 39 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
- LAE 4464 Survey of Adolescent Literature 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 3940 Internship 3 hrs
## Plan of Study

### Freshman Year - Fall
- **GEP B1 Elective** 3 hrs
- **ENC 1101** Composition I 3 hrs
- **MGF 1106** Finite Mathematics 3 hrs
- **PSY 2012** General Psychology 3 hrs

### Freshman Year - Spring
- **ENC 1102** Composition II 3 hrs
- **POS 2041** American National Government 3 hrs
- **PSC 1121** Physical Science 3 hrs

### Sophomore Year - Fall
- **EDF 2005** Introduction to the Teaching Profession 3 hrs
- **LIT 2120** World Literature II 3 hrs
- **SPC 1608** Fundamentals of Oral Communication 3 hrs
  
#### Select 1:
- **ANT 2511** The Human Species or 3 hrs
- **BSC 1005** Biological Principles 3 hrs

### Sophomore Year - Spring
- **STA 2011** Introduction to the Teaching Profession 3 hrs
- **STA 2014C** Principles of Statistics or 3 hrs
- **STA 1063C** Basic Statistics Using Microsoft Excel 3 hrs

### Sophomore Year - Summer
- **ENL 2012** English Literature I 3 hrs
- **EDF 2085** Introduction to Diversity for Educators 3 hrs
- **EME 2040** Introduction to Technology for Educators 3 hrs

### Education Track
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs

### Lifelong Learning Track
- **EDF 2130** Child and Adolescent Development for Educators 3 hrs
- **EDP 2270** Adult Development & Learning 3 hrs

### Summer
- **HFT 1000** Introduction to the Hospitality and Tourism Industry Training 3 hrs
- **HFT 2750** The Event Industry 3 hrs
- **HFT 3798** Fairs and Festivals 3 hrs
- **HFT 4754** Exhibit and Trade Show Operations 3 hrs

### Graduation

- **Required:** A minimum 2.5 GPA in all courses within the major.
- **Restrictions:** None

### Additional Requirements

- **Required:** None
- **Capstone:** None
- **Departmental Exit:** None
- **Honors:** None
- **Transfer Notes:** None

### Admissions

- **Foreign Language:** 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

- **Required:** None
- **Restrictions:** None
- **Departmental Exit:** None
- **Honors:** None

### Electives

- **Required:** None
- **Restrictions:** None

### Related Programs

- **Certificates:** None
- **Related Minors:** None

### Advising Notes

- **Consult with your Education advisor and review your degree audit for more recent information.**

### Acceptable Substitutes for Transfer Courses

- **None**
UCF Degree Programs

Junior Year - Fall 15 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Education Track 6 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs

Select 1:
- ENC 3311 Essay as Cultural Commentary or 3 hrs
- LIN 4105 History of the English Language 3 hrs

Lifelong Learning Track 6 hrs
Choose Lifelong Learning Specialization courses 6 hrs

Junior Year - Spring 15 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safely Issues in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Education Track 9 hrs
- AML 3041 American Literature II and 3 hrs
- LAE 4464 Survey of Adolescent Literature and 3 hrs
- LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs

Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs

Senior Year - Fall 12 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Education Track 9 hrs
- LAE 4360 English Instructional Analysis and 3 hrs
- LAE 3940 Internship and 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs

Lifelong Learning Track 9 hrs
Choose Lifelong Learning Specialization courses 9 hrs

Senior Year - Spring 12 hrs
- LAE 4941 Internship 12 hrs

Lifelong Learning Track 12 hrs
Choose Lifelong Learning Specialization courses 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Environmental Engineering (B.S.Env.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carolann.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
Phone: 407-823-2841

Admission Requirements
- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHM 2040 AND CHM 2041.

Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.
- Students in the Environmental Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Environmental Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Environmental Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Environmental Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Environmental Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GE) (38 hrs)
- The UCF General Education Program (GE) is described in this catalog. Engineering students should closely study the requirements of the UCF GE and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GE 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 1603C Fundamentals of Technical Presentations 3 hrs

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B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations
Select one course from Cultural Foundations

C: Mathematical Foundations (7 hrs)
Required
MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required
STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select one course from Social Foundations Group 1 3 hrs
Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
Required
PHY 2048C Physics for Engineers & Scientists I GEP
Required
PHY 2049C Physics for Engineers & Scientists II 4 hrs

Select one of the following sequences of courses:
- Preferred course
CHM 2045C Chemistry Fundamentals I 4 hrs
- or
CHM 2040 Chemistry Fundamentals IA and
CHM 2041 Chemistry Fundamentals IB 3 hrs

1 A grade of "C" (2.0) or better is required in each course and in this section.
1 MAC 2311C Calculus with Analytic Geometry I GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Ordinary Differential Equations I 3 hrs
1 PHY 2048C Physics for Engineers & Scientists I GEP
1 PHY 2049C Physics for Engineers & 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.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of "C" (2.0) or better is required in each course in this section.
- Required Senior Design Courses
CGN 4808C CECE Capstone Design 3 hrs
Design Specialization 3 hrs
- Must be completed before registering for CGN 4808C - Capstone Design
ENV 4433C Environmental Engineering Wastewater Design or
1 ENV 4122C Air Pollution Control Design or 3 hrs
1 ENV 4300C Solid Waste Facility Design or 3 hrs
1 ENV 4562C Environmental Engineering Water Treatment Design

1 A "C" (2.0) or better is required in this course.

2. University of Central Florida

3. Core Requirements: Basic Level (9 hrs)
- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr
1 CHM 2040C Chemistry Fundamentals I CPP
1 CHM 2046L Chemistry Fundamentals Laboratory 1 hr
Earth Science
Biological Science 3 hrs

1 A "C" (2.0) or better is required in this course.

4. Core Requirements: Advanced Level (53 hrs)
1 EGN 3310 Engineering Analysis-Statics 3 hrs
1 EGN 3321 Engineering Analysis-Dynamics 3 hrs
1 EGN 3331 Mechanics of Materials 3 hrs
1 EGN 3343 Thermodynamics 3 hrs
1 EGN 3613 Engineering Economic Analysis 2 hrs
1 ENV 3001 Introduction to Environmental Engineering 3 hrs
1 CEE 4003 Introduction to the Construction Industry 3 hrs
1 STA 3032 Probability and Statistics for Engineers GEP
1 CWR 3201 Engineering Fluid Mechanics 3 hrs
1 EGS 4011C Geotechnical Engineering I 4 hrs
1 EES 4111C Biological Process Control 3 hrs
1 EES 4202C Chemical Process Control 4 hrs
1 ENV 4531 Environmental Engineering Operations & Processes I 3 hrs
1 CWR 4632C Water Resources Engineering I 4 hrs
1 CWR 4633C Water Resources Engineering II 3 hrs
1 ENV 4120 Air Pollution Control 3 hrs
1 ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
ENV 4341 Solid & Hazardous Waste Management 3 hrs

1 A "C" (2.0) or better is required in this course.

5. Restricted Electives (3 hrs)
- Technical electives are available in the 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
CGN 4808C CECE Capstone Design 3 hrs
Design Specialization 3 hrs
Must be completed before registering for CGN 4808C - Capstone Design
ENV 4433C Environmental Engineering Wastewater Design or
1 ENV 4122C Air Pollution Control Design or 3 hrs
1 ENV 4300C Solid Waste Facility Design or 3 hrs
1 ENV 4562C Environmental Engineering Water Treatment Design

1 A "C" (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions
- None

Electives
- None

9. Additional Requirements
- EnvE students must take the Fundamentals of Engineering (FE) Exam during their Senior year.
- Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 128

Honors in Major
- None

Related Programs
- Chemistry
- Construction Engineering
- Civil Engineering

Certificates
- None

Related Minors
- Chemistry
- Environmental Studies
- Mathematics
- Engineering Leadership
- Bioengineering

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor or 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.
UCF Degree Programs

- The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- ENC 1101 Composition I (3 hrs)
- MAC 2311C Calculus with Analytic Geometry I (4 hrs)
- EGS 1006C Introduction to the Engineering Profession (1 hr)
- BSC 1050 Biology and Environment (3 hrs)
- GEP (3 hrs)

Sophomore Year - Fall
- MAC 2312 Calculus with Analytic Geometry II (4 hrs)
- PHY 2048C Physics for Engineers & Scientists I (4 hrs)
- EGN 1907C Engineering Concepts and Methods (1 hr)
- GEO 1200 Physical Geography (3 hrs)

Sophomore Year - Spring
- ENC 1102 Composition II (3 hrs)
- MAC 2315 Calculus with Analytic Geometry III (4 hrs)
- CHM 2045C Chemistry Fundamentals I (4 hrs)
- EGN 3310 Engineering Analysis-Statics (3 hrs)
- EGN 3613 Engineering Economic Analysis (2 hrs)

Senior Year - Fall
- MAP 2302 Ordinary Differential Equations I (3 hrs)
- CHM 2046 Chemistry Fundamentals II (3 hrs)
- CHM 2046L Chemistry Fundamentals Laboratory (1 hr)
- PHY 2049C Physics for Engineers and Scientists II (4 hrs)
- EGN 3321 Engineering Analysis-Dynamics (3 hrs)
- ENV 3001 Introduction to Environmental Engineering (3 hrs)

Senior Year - Spring
- ENC 1103 Composition III (3 hrs)
- STA 3032 Probability and Statistics for Engineers (3 hrs)
- CWR 3201 Engineering Fluid Mechanics (3 hrs)

Junior Year - Fall
- ENV 4531 Environmental Engineering Operations & Processes I (3 hrs)
- EGN 3331 Mechanics of Materials (3 hrs)
- EES 4202C Chemical Process Control (4 hrs)
- ENV 4120 Air Pollution Control (3 hrs)
- CWR 4632C Water Resources Engineering I (4 hrs)

Junior Year - Spring
- ENV 4341H Solid & Hazardous Waste Management (3 hrs)
- EES 4111C Biological Process Control (3 hrs)
- ENV 4561 Environmental Engineering Operations & Processes II (3 hrs)
- GEP (3 hrs)

Design Specialization
- ENV 4122C Air Pollution Control Design or (3 hrs)
- ENV 4562C Environmental Engineering Water Design or (3 hrs)
- ENV 4433C Environmental Engineering Wastewater Design or (3 hrs)
- ENV 4300C Solid Waste Facility Design (3 hrs)

Senior Year - Fall
- CEG 4011C Geotechnical Engineering I (4 hrs)
- CCE 4003 Introduction to the Construction Industry (3 hrs)
- CWR 4633C Water Resources Engineering II (3 hrs)
- GEP (3 hrs)

Senior Year - Spring
- Restricted Elective (3 hrs)
- GEP (6 hrs)
- EGN 4808C CECE Capstone Design (3 hrs)

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $44 per term
- Full-Time Student: $87 per term

Event Management (B.S.)
Rosen College of Hospitality Management
Department of Tourism Event and Attractions
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu

Dr. Roberto Croes, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- None

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)

Select 1:
- Required MAC 1105C College Algebra (3 hrs)
- Required GCS 2100C Computer Fundamentals for Business or (3 hrs)
- Required STA 2023 Statistical Methods I (3 hrs)

2. Social Foundations (6 hrs)
   - Select 1:
     - Required ECO 2013 Principles of Macroeconomics or (3 hrs)
     - Required ECO 2023 Principles of Microeconomics (3 hrs)

Select 1:
- Required PSY 2012 General Psychology or (3 hrs)
- Required SYG 2000 Introduction to Sociology or (3 hrs)
- Required ANT 2000 General Anthropology (3 hrs)

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

HFT 1000 Introduction to the Hospitality and Tourism Industry (3 hrs)
3. Core Requirements: Basic Level

MAC 1105C College Algebra GEP

Select 1:
- STA 2023 Statistical Methods I or GEP
- CGS 2100C Computer Fundamentals for Business GEP

Select 1:
- ECO 2013 Principles of Macroeconomics or GEP
- ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (55 hrs)

Hospitality Management Core
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs

Internships
- HFT 3940 Internship I 1 hr
- HFT 4941 Internship II 1 hr
- HFT 4944 Internship III 1 hr

Event Management Core
- FSS 2284C Food Preparation for Catered Events 4 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3519 Event Services 3 hrs
- HFT 3523 Event Sales 3 hrs
- HFT 4757 Event Management 3 hrs
- HFT 3443 Event Technology 3 hrs
- HFT 4802 Catering Sales Management 3 hrs

5. Restricted Electives (15 hrs)

Complete any five restricted Event 15 hrs

Management Electives
- HFT 3741 Meeting Management or 3 hrs
- HFT 4754 Exhibit and Trade Show Operations or 3 hrs
- HFT 4795 Entertainment Arts and Events or 3 hrs
- HFT 3798 Fairs and Festivals or 3 hrs
- HFT 4561 Destination Marketing or 3 hrs
- HFT 4736 Destination Management or 3 hrs
- HFT 4796 International Events or 3 hrs
- HFT 4375 Advanced Trade Show Management or 3 hrs
- HFT 3868 History and Culture of Wine or 3 hrs
- HFT 3357 Golf & Club Event Operations 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, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida College System institution students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
MAC 1105C College Algebra 3 hrs
Cult/Hist. Foundations I 3 hrs
Select 1: 3 hrs

Freshman Year - Spring 15 hrs
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs

Sophomore Year - Fall 16 hrs
ENC 1102 Composition II 3 hrs
HFT 2254 Lodging Operations 3 hrs
HFT 2750 The Event Industry 3 hrs
Cult/Hist. Foundations II 3 hrs
Select 1: 3 hrs

Sophomore Year - Spring 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
FSS 2284C Food Preparation for Catered Events 4 hrs
Science Foundations I 3 hrs
Select 1: 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
Science Foundations II 3 hrs
Cult/Hist. Foundations III 3 hrs
Free Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

#### Junior Year - Fall  (16 hrs)
- HFT 3540  Guest Services Management I  3 hrs
- HFT 3431  Hospitality Industry Managerial Accounting  3 hrs
- HFT 3519  Event Services  3 hrs
- HFT 3670  Hospitality and Event Risk Management  3 hrs
- HFT 3512  Event Promotion  3 hrs
- HFT 3940  Internship I  1 hr

#### Junior Year - Spring  (16 hrs)
- HFT 4464  Hospitality Industry Finance  3 hrs
- HFT 3523  Event Sales  3 hrs
- HFT 3443  Event Technology  3 hrs
- HFT 4941  Internship II  1 hr
- Event Restricted Elective  3 hrs
- Free Elective  3 hrs

#### Senior Year - Fall  (16 hrs)
- HFT 4286  Hospitality Communications  3 hrs
- HFT 4944  Internship III  1 hr
- Event Restricted Electives  12 hrs

#### Senior Year - Spring  (12 hrs)
- HFT 4757  Event Management  3 hrs
- HFT 4802  Catering Sales Management  3 hrs
- Event Restricted Elective  3 hrs
- Free Electives  3 hrs

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/academiclearningcompacts.html](http://www.oes.ucf.edu/academiclearningcompacts.html)

#### Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

### Film (B.F.A.)

#### College of Arts and Humanities
#### School of Visual Arts and Design,
#### Nicholson School of Communication, Room: 121
#### Email: svadadvising@ucf.edu
#### Phone: 407-823-2676

#### Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors.
- Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, [http://www.film.cah.ucf.edu](http://www.film.cah.ucf.edu).

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- 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)

<table>
<thead>
<tr>
<th>Lower Year</th>
<th>Upper Year</th>
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#### B: Cultural & Historical Foundations  (9 hrs)
- Prefer FIL 2030 History of Motion Pictures  3 hrs
- Prefer one course from B.1 list  3 hrs
- Prefer one course from either B.1 or B.2 list  3 hrs

#### C: Mathematical Foundations  (6 hrs)
- Math  3 hrs
  - Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or
  - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

#### Statistics-Computers  (3 hrs)
- Select a course from GEP C.2 list  3 hrs

#### D: Social Foundations  (6 hrs)

#### E: Science Foundations  (6 hrs)

#### 2. Common Program Prerequisites (CPP)  (3 hrs)
- 1 FIL 2030 History of Motion Pictures  GEP
- FIL 1007 Foundations of Story  3 hrs
- 1 See transfer notes for possible substitutions.

#### 3. Core Requirements: Basic Level  (21 hrs)
- Lower level core requirements
  - FIL 2107 Script Analysis  3 hrs
  - FIL 1009 Cinematic Expression for Majors  3 hrs
  - FIL 2552 Editing I  3 hrs
  - FIL 2480 Directing for Film I  3 hrs
  - FIL 2461 Cinematography I  3 hrs
  - FIL 2481 Directing the Actor for Film I  3 hrs
  - DIG 2000 Introduction to Digital Media  3 hrs

#### 4. Core Requirements: Advanced Level  (36 hrs)
- Upper level core requirements
  - FIL 3115 Short Script I  3 hrs
  - FIL 3132 Short Script II  3 hrs
  - FIL 3427C Introduction to Film Production  3 hrs
  - FIL 3534 Sound Design for Film I  3 hrs
  - FIL 3036 Film History I  3 hrs
  - FIL 3037 Film History II  3 hrs
  - FIL 3833C Film Theory and Criticism I  3 hrs
  - FIL 3822 Film Colloquium  1 hr
  - FIL 4486C Directing for Film II  3 hrs
  - FIL 4661 The Film Producer  3 hrs
  - FIL 4647 Film Production Management  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
- FIL 3363C Film Documentary  3 hrs
- DIG 4704 Interactive Entertainment  3 hrs
- FIL 4472C Cinematography II  3 hrs
- FIL 4535C Sound Design for Film II  3 hrs
- FIL 4536 Sound Design III  3 hrs
- FIL 4451 Design for Film  3 hrs
- FIL 4487 Directing for Film III  3 hrs
- FIL 4566C Editing II  3 hrs

#### Screen Writing
- FIL 4103 Adaptation  3 hrs
- FIL 4162C Feature/TV Writing I  3 hrs
- FIL 4163C Feature/TV Writing II  3 hrs
- FIL 4126C Genre Writing  3 hrs
- FIL 4906 Directed Independent Study  1 hr

#### Cinema Studies
- FIL 3880C Images of Women in Film  3 hrs
- FIL 3831 Black Cinema  3 hrs
- FIL 3051 Avant-Garde Cinema  3 hrs
- FIL 3804C Film Theory and Criticism II  3 hrs
- FIL 3841 French New Wave Cinema  3 hrs
- FIL 3824 Italian Neo-Realism Cinema  3 hrs
- FIL 3847 Latin American Cinema  3 hrs
- FIL 3820 Italian Film  3 hrs
- FIL 3822 French Film  3 hrs
- FIL 3823 German Film  3 hrs
- FIL 3826 American Cinema  3 hrs
- FIL 3871 The American Film Artist  3 hrs
- FIL 4436 Film Theory/Film Production  3 hrs
### 6. Capstone Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FIL 4434C</td>
<td>Capstone I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIL 4573C</td>
<td>Capstone II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.

### Admissions Notes
- None

### Related Programs
- Art
- Film - Cinema Studies Track
- Film - World Cinema Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

### Certificates
- None

### Related Minors
- Art - Studio
- Film - Cinema Studies
- English - Creative Writing
- Digital Media
- Music
- Theatre

### Advising Notes
- None

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### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Freshman Year - Summer
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Fall
- FIL 2107 Script Analysis 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 1008 Cinematic Expression/Aesthetics 3 hrs
- GEP 3 hrs
- GEP 3 hrs

#### Sophomore Year - Spring
- FIL 2480 Directing for Film I 3 hrs
- FIL 2481 Directing the Actor for Film I 3 hrs
- FIL 3115 Short Script I 3 hrs
- GEP 3 hrs

#### Sophomore Year - Summer
- 8 hrs

#### Junior Year - Fall
- FIL 4654 Film Production Management 3 hrs
- FIL 4861 The Film Producer 3 hrs

#### Senior Year - Fall
- FIL 4434C Capstone I 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs

#### Senior Year - Spring
- FIL 4573C Capstone II 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs
- Upper Level FIL Elective 3 hrs

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and 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.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### 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**  
School of Visual Arts and Design,  
Nicholson School of Communication, Room: 121  

**Email:** svadadvising@ucf.edu  
**Phone:** 407-823-2676

### Admission Requirements

- **None**

### Degree Requirements

#### 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 B.1 list 3 hrs
  - Prefer one course from B.1 or B.2 list 3 hrs
- **C:** Mathematical Foundations (6 hrs)
  - Suggested MGF 1106 Finite Mathematics or Math 3 hrs
  - Suggested MGF 1107 Explorations in Mathematics or Math 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

#### 2. Core Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - Prefer FIL 2030 History of Motion Pictures 3 hrs
  - Prefer FIL 1007 Foundations of Story 3 hrs

#### 3. Core Requirements: Basic Level (12 hrs)
- **Film:**
  - FIL 1008 Cinematic Expression/Aesthetics 3 hrs
  - FIL 2107 Script Analysis 3 hrs
  - FIL 2423 Foundations of Production 3 hrs
  - DIG 2000 Introduction to Digital Media 3 hrs

#### 4. Core Requirements: Advanced Level (36 hrs)
- **Film:**
  - FIL 3006 Art of the Cinema 3 hrs
  - FIL 3062 Cinematic Expression 3 hrs
  - FIL 3063 Film Documentary 3 hrs
  - FIL 3064 Film History I 3 hrs
  - FIL 3065 Film History II 3 hrs
  - FIL 3066 Avant-Garde Cinema 3 hrs
  - FIL 3067 Film Theory and Criticism I 3 hrs
  - FIL 3068 Film Theory and Criticism II 3 hrs
  - FIL 3069 World Cinema Traditions 3 hrs
  - FIL 3070 American Cinema 3 hrs
  - FIL 4861 The Film Producer 3 hrs
- **Select 1:**
  - FIL 3102 Writing for Film and TV or 3 hrs
  - FIL 3115 Short Script I 3 hrs

#### 5. Restricted Electives (9 hrs)
- Select three courses from the following upper level FIL courses:
  - A maximum of 6 hours Independent Study and/or internship credit may be used
  - FIL 3850 Cinema Directors 3 hrs
  - FIL 3880C Images of Women in Film 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3041 History of Animated Films I 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3842 International Cinema 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 4436 Film Theory/Film Production 3 hrs
  - FIL 4906 Directed Independent Study 3 hrs
  - DIG 4855 Converging Media Capstone 3 hrs
  - DIG 4704 Interactive Entertainment 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 5612 Film and Internet Business 3 hrs
  - FIL 3852 Cinema Criticism Writing 3 hrs

#### 6. Capstone Requirements

- **None**

#### 7. Foreign Language Requirements

**Admissions**  
- Met by graduation requirement.

**Graduation**  
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

#### 9. Additional Requirements

- **None**

#### 10. Required Minors

- **None**

#### 11. Departmental Exit Requirements

- A student must maintain an overall average of “C” (2.0) or better in major courses.
  - Computer competency met by one of the following:
    - CGS 1060C Introduction to Computers 3 hrs
    - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
    - FIL 1008 Cinematic Expression/Aesthetics 3 hrs

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residence at UCF.
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Honors In Major

- **None**

### Related Programs

- **Art**
- **Music**
- **Theatre**
- **Radio - Television**
- **English - Creative Writing**
- **Film**
- **Film - World Cinema Track**

### Certificates

- **None**
### Prerequisites
- Acceptable Substitutes for Common Program
- Acceptable Substitutes for Transfer Courses

#### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for Common Program

#### Plan of Study
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

### Freshman Year - Fall
- **13 hrs**
  - ENC 1101 Composition I 3 hrs
  - FIL 2030 History of Motion Pictures 3 hrs
  - Foreign Language Elementary Level I 4 hrs
  - GEP 3 hrs

### Freshman Year - Spring
- **13 hrs**
  - ENC 1102 Composition II 3 hrs
  - FIL 1007 Foundations of Story 3 hrs
  - Foreign Language Elementary Level II 4 hrs
  - GEP 3 hrs

### Freshman Year - Summer
- **9 hrs**
  - GEP 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

### Sophomore Year - Fall
- **15 hrs**
  - FIL 2107 Script Analysis 3 hrs
  - FIL 3006 Art of the Cinema 3 hrs
  - FIL 1003 Cinematic Expression/Aesthetics 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

### Sophomore Year - Spring
- **15 hrs**
  - DIG 2000 Introduction to Digital Media 3 hrs
  - FIL 2423 Foundations of Production 3 hrs
  - FIL 3102 Writing for Film and TV 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

### Junior Year - Fall
- **15 hrs**
  - FIL 3363C Film Documentary 3 hrs
  - FIL 3803C Film Theory and Criticism I 3 hrs
  - FIL 3036 Film History I 3 hrs
  - FIL XXX - Elective 3 hrs
  - Minor 3 hrs

### Junior Year - Spring
- **15 hrs**
  - FIL 3037 Film History II 3 hrs
  - FIL 3462C Cinematic Expression 3 hrs
  - FIL 3804C Film Theory and Criticism II 3 hrs
  - FIL 4691 The Film Producer 3 hrs
  - Minor 3 hrs

### Senior Year - Fall
- **15 hrs**
  - FIL 3828 American Cinema 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL XXX - Elective 3 hrs
  - Minor 3 hrs
  - Minor 3 hrs

### Senior Year - Spring
- **12 hrs**
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL XXX - Elective 3 hrs
  - Minor 3 hrs
  - Minor 3 hrs

**Finance (B.S.B.A.)**

**College of Business Administration**

**Department of Finance,**

Business Administration I, Room: 409


Phone: 407-823-3575

The study of finance prepares students for careers in corporate finance, investments, banking and real estate. Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in FIN 3403, at least a “B” (3.0) in ACG 3173 OR at least a “C” (2.0) in ACG 3131.

One course may be repeated one time in the next term of enrollment to meet these requirements.

- See Common Program Prerequisites

### Degree Requirements
- Students who change their degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Finance must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
- Students in the Finance major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Finance courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. A student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Finance major and/or College of Business. A student who is dismissed may seek consideration for readmission into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
Students must earn a “B” (3.0) or higher in FIN 3403 and ACG 3173 (or a “C” (2.0) or higher in ACG 3131). In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Select 2: 6 hrs
   Finance Electives 6 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required Courses for Major 12 hrs
   Secondary Core 13 hrs
   Primary Core 15 hrs

2. Core Requirements: Advanced Level (40 hrs)
   A: Mathematical Foundations (6 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Communication Foundations (3 hrs)
   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   Select 2: 3 hrs
   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (18 hrs)
   Select one of the following sequences of courses:
   a. Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
   b. Must be completed with a “C” (2.0) or better.
   1. ACG 2021 Principles of Financial Accounting 3 hrs
   2. ACG 2071 Principles of Managerial Accounting 3 hrs
   3. CGS 2100C Computer Fundamentals for Business 3 hrs
   4. ECO 2013 Principles of Macroeconomics 3 hrs
   5. ECO 2023 Principles of Microeconomics 3 hrs

   Select one of the following sequences of courses:
   a. Must be an accounting major or accounting minor to register for this course
   1. ACG 3173 Accounting for Decision-Makers 3 hrs
   2. ECO 3141 Intermediate Microeconomics 3 hrs
   3. ECO 3101 Intermediate Macroeconomics 3 hrs
   4. FIN 4906 Directed Independent Study 3 hrs
   5. FIN 4941 Finance Internship 3 hrs
   6. FIN 4903H Honors Directed Reading I 3 hrs
   7. FIN 4970H Undergraduate Honors Thesis 3 hrs
   8. GEB 4374 International Negotiations and Transactions 3 hrs
   9. MAR 3391 Professional Selling 3 hrs
   10. REE 4203 Commercial Real Estate Finance 3 hrs
   11. REE 4303 Real Estate Investment Analysis 3 hrs

   Required Honors Reading Course 3 hrs

3. Core Requirements: Basic Level
   A: None

4. Core Requirements: Advanced Level (40 hrs)
   Primary Core 15 hrs
   Secondary Core 13 hrs
   Required Courses for Major 12 hrs
   1. ACG 3173 Accounting for Decision-Makers 3 hrs
   2. ECO 3141 Intermediate Microeconomics 3 hrs
   3. ECO 3101 Intermediate Macroeconomics 3 hrs
   4. FIN 4906 Directed Independent Study 3 hrs
   5. FIN 4941 Finance Internship 3 hrs
   6. FIN 4903H Honors Directed Reading I 3 hrs
   7. FIN 4970H Undergraduate Honors Thesis 3 hrs
   8. GEB 4374 International Negotiations and Transactions 3 hrs
   9. MAR 3391 Professional Selling 3 hrs
   10. REE 4203 Commercial Real Estate Finance 3 hrs
   11. REE 4303 Real Estate Investment Analysis 3 hrs

5. Restricted Electives (15 hrs)
   Finance Electives 6 hrs
   Select 2: 6 hrs
   1. ACG 3173 Accounting for Decision-Makers 3 hrs
   2. ECO 3141 Intermediate Microeconomics 3 hrs
   3. ECO 3101 Intermediate Macroeconomics 3 hrs
   4. FIN 4906 Directed Independent Study 3 hrs
   5. FIN 4941 Finance Internship 3 hrs
   6. FIN 4903H Honors Directed Reading I 3 hrs
   7. FIN 4970H Undergraduate Honors Thesis 3 hrs
   8. GEB 4374 International Negotiations and Transactions 3 hrs
   9. MAR 3391 Professional Selling 3 hrs
   10. REE 4203 Commercial Real Estate Finance 3 hrs
   11. REE 4303 Real Estate Investment Analysis 3 hrs

   Required Honors Reading Course 3 hrs
   Honors in Major Credit Requirements 6 hrs
   1. ACG 3141 Intermediate Financial Accounting II 3 hrs
   2. ECO 4412 Econometrics 3 hrs
   3. ECO 3101 Intermediate Microeconomics 3 hrs
   4. ECO 3203 Intermediate Macroeconomics 3 hrs
   5. FIN 4906 Directed Independent Study 3 hrs
   6. FIN 4941 Finance Internship 3 hrs
   7. FIN 4903H Honors Directed Reading I 3 hrs

   9. Additional Requirements
   A. None

   10. Required Minors
   A. None

   11. Departmental Exit Requirements
   A. A minimum major GPA of 2.75 and a 3.0 GPA in the major.
   B. Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

   Business Elective 3 hrs
   6. Capstone Requirements (3 hrs)
   A. An approved Intent to Graduate must be on file in order to register for MAN 4720.
   MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements
   Admissions
   A. 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
   A. None

8. Electives
   A. Variable

9. Additional Requirements
   A. None

10. Required Minors
   A. None

11. Departmental Exit Requirements
   A. A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
   A. A 2.0 UCF GPA
   B. 60 semester hours earned after CLEP awarded
   C. 48 semester hours of upper division credit completed
   D. 30 of the last 39 hours of course work must be completed in residency at UCF.
   E. A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   F. Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   Total Semester Hours Required
   A. 120

   Honors In Major
   A. Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
   B. Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Finance Department and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
   C. Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:
   Honors in Major Credit Requirements 6 hrs
   1. FIN 4903H Honors Directed Reading I 3 hrs
   2. FIN 4903H Honors Directed Reading II 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### Required Honors Thesis
FIN 4970H  Undergraduate Honors Thesis 3 hrs

### Sophomore Year - Spring
ACG 2071  Principles of Managerial Accounting 3 hrs  
ECO 3401  Quantitative Business Tools I 3 hrs  
CSG 2100C  Computer Fundamentals for Business 3 hrs  
Historical Foundation I 3 hrs  
Science 3 hrs

### Junior Year - Fall
ACG 3173  Accounting for Decision-Makers 3 hrs  
ECO 3411  Quantitative Business Tools II 3 hrs  
MAN 3025  Management of Organizations 3 hrs  
MAR 3023  Marketing 3 hrs  
FIN 3403  Business Finance 3 hrs  
GEB 3003  Career Research & Planning 1 hr

### Junior Year - Spring
GEB 3375  Introduction to International Business 3 hrs  
FIN 3414  Intermediate Corporate Finance 3 hrs  
FIN 3303  Financial Markets 3 hrs  
GEB 3005  Career Search Strategy 1 hr  
Business Elective 3 hrs  
Elective 2 hrs

### Senior Year - Fall
BUL 3130  Legal and Ethical Environment of Business 3 hrs  
MAR 3203  Supply Chain and Operations Management 3 hrs  
FIN 3504  Investment Analysis 3 hrs  
FIN Restricted Elective 3 hrs  
FIN Elective 3 hrs  
GEB 4223  Business Interviewing Techniques 1 hr

### Senior Year - Spring
FIN 4424  Advanced Topics in Financial Management 3 hrs  
MAN 4720  Strategic Management 3 hrs  
FIN Elective 3 hrs  
FIN Restricted Elective 3 hrs  
GEB 4004  Executing Your Career Plan 1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

### Forensic Science - Analysis Track (B.S.)
**College of Sciences**
**Department of Chemistry, Chemistry, Room: 306A**
[http://chemistry.cos.ucf.edu/](http://chemistry.cos.ucf.edu/)
**Email:** chemstaff@ucf.edu
Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
UCF Degree Programs

1. UCF General Education Program (GEP) (39 hrs)
   - Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
   - Prefer SPC 1603C Fundamentals of Technical Presentations
   - Required ENC 1101 Composition I
   - Required ENC 1102 Composition II

B: Cultural & Historical Foundations (9 hrs)
   - or
   - Required STA 2023 Statistical Methods I

C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I
   - Required MAC 2311G Calculus with Analytic Geometry II

D: Social Foundations (6 hrs)
   - or
   - Required PHY 2048C Physics for Engineers & Scientists I

E: Science Foundations (8 hrs)
   - Required BSC 2010C Biology I
   - Required PHY 2048C Physics for Engineers & Scientists I

2. Common Program Prerequisites (CPP) (16 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   BSC 2010C Biology I GEP

Select one of the following sequences of courses:

CHM 2045C Chemistry Fundamentals I 4 hrs

or

CHM 2040 Chemistry Fundamentals I and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2311G Calculus with Analytic Geometry II 4 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2048C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (18 hrs)
   - All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

   Basic Core: Required, satisfies the CPP
   CHM 2045C Chemistry Fundamentals I CPP
   - or
   CHM 2040 Chemistry Fundamentals IA and 3 hrs
   CHM 2041 Chemistry Fundamentals IB 3 hrs

   - and
   CHM 2046 Chemistry Fundamentals II and 3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
   MAC 2311C Calculus with Analytic Geometry I and GEP
   MAC 2311G Calculus with Analytic Geometry II and CPP
   PHY 2048C Physics for Engineers & Scientists I and GEP
   PHY 2049C Physics for Engineers and Scientists II and CPP

Basic Core: Additional Requirements 18 hrs

CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I and 2 hrs
CHM 3120 Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory and 1 hr
PCB 3063 Genetics and 3 hrs
PCB 3233 Immunology 3 hrs

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 3585 Forensic Science in the Courtroom 3 hrs
   - CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
   - CHS 4591 Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs
   - CHM 3422 Applied Physical Chemistry 3 hrs
   - CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
   - CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
   - CHS 3511C Trace Evidence 4 hrs
   - CHS 3530C Forensic Analysis of Controlled Substances 4 hrs

5. Restricted Electives (12 hrs)
   - Select from the following: 12 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - or
   - Required STA 2023 Statistical Methods I

   C: Mathematical Foundations (7 hrs)
   - Required STA 2023 Statistical Methods I

   D: Social Foundations (6 hrs)
   - or
   - Required PHY 2048C Physics for Engineers & Scientists I

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

8. Electives
   - Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
    - Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 2 and 3 of the departmental degree requirements.
    - Achieve at least a minimum overall 2.5 GPA in all courses attempted to satisfy categories 4 and 5 of the departmental degree requirements.
    - The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 124

Honors In Major

None

Related Programs

Chemistry
Forensic Science - Biochemistry Track

Certificates
Behavioral Forensics
Crime Scene Investigation

Related Minors

Chemistry

Advising Notes

None
Junior Year - Summer 7 hrs
1 CHS 4506C Forensic Investigation Technology 3 hrs
1 CHS 4515C Forensic Crime Scene Investigation 4 hrs
1 (or other restricted elective)

Senior Year - Fall 13 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
CHM 3422 Applied Physical Chemistry 3 hrs
GEP 3 hrs
Restricted Elective 1 hr

Senior Year - Spring 14 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs
GEP 3 hrs
GEP 3 hrs

Senior Year - Summer 4 hrs
CHS 4501 Forensic Science Internship 4 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/academiclearningcompacts.html

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/
Email: chemstaff@ucf.edu
Dr. G. Mattson, gerald.mattson@ucf.edu
Phone: 407-823-1522

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.

Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.

Co-op credit cannot be used in this major.

Students should consult with a departmental advisor.

Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.

Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.

Individual course prerequisites for enrollment in courses within the College of Sciences will be enforced.

Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)

Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
Prefer SPC 1803C Fundamentals of Technical Presentations 3 hrs
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution for an upper division course, students should not begin with a lower math class will increase the hours needed to be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~
  http://knightsource.sdes.ucf.edu/placement
- Before registering for Math, take Math Placement Test ~
  http://math.sdes.ucf.edu/placement
- Because of the rigorous nature of these classes, students should plan on utilizing summer terms. In addition, you may be required to complete 9 hours during the Summer. Consult with an advisor to determine if you are exempt.

This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall 12 hrs
CHM 2040 Chemistry Fundamentals I A 3 hrs
CHS 3501 Introduction to Forensic Science 3 hrs
MAC 1140C Pre-Calculus Algebra 3 hrs
ENC 1101 Composition I 3 hrs

Freshman Year - Spring 14 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs
BSC 2010C Biology I 4 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
ENC 1102 Composition II 3 hrs

Freshman Year - Summer 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
Lab may be taken in a later term if seats are not available.

Sophomore Year - Fall 14 hrs
CHM 2210 Organic Chemistry I 3 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
STA 2023 Statistical Methods I 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Spring 15 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
Lab may be taken in a later term if seats are not available.
PHY 2049C Physics for Engineers and Scientists II 4 hrs
Restricted Elective 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
CHS 3505C Forensic Microscopy 4 hrs
CHS 3512 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
PBH 3233 Immunology 3 hrs
Restricted Elective 1 hr
GEP 3 hrs

Junior Year - Spring 13 hrs
CHS 3511C Trace Evidence 4 hrs
CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
CHS 3595 Forensic Science in the Courtroom 3 hrs
PCB 3063 Genetics 3 hrs

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

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) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I GEP

Select one of the following sequences of courses:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Take all of the following:
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311C Calculus with Analytic Geometry I GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (20 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
- CHM 2045C Chemistry Fundamentals I GEP/CPP
- or
- CHM 2040 Chemistry Fundamentals IA and CPP
- CHM 2041 Chemistry Fundamentals IB CPP

- and
- CHM 2046 Chemistry Fundamentals II and CPP
- CHM 2046L Chemistry Fundamentals Laboratory and CPP
- BSC 2010C Biology I and GEP/CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- PHY 2048C Physics for Engineers & Scientists I and CPP
- PHY 2049C Physics for Engineers and Scientists II and CPP

Basic Core: Additional Requirements 20 hrs
- CHM 2210 Organic Chemistry I and 3 hrs
- CHM 2211 Organic Chemistry II and 3 hrs
- CHM 2211L Organic Laboratory Techniques I and 2 hrs
- CHM 3120 Analytical Chemistry and 3 hrs
- CHM 3120L Analytical Chemistry Laboratory and 1 hr
- STA 2023 Statistical Methods I and GEP
- PCB 3063 Genetics and 3 hrs
- PCB 3063L Genetics Laboratory and 1 hr
- PCB 3233 Immunology and 3 hrs
- PCB 3233L Immunology Laboratory 1 hr

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
- BSC 4103L Biochemical Methods 2 hrs
- BSC 4030C Quantitative Biological Methods 4 hrs
- CHS 4534C Forensic Biochemistry II 3 hrs
- CHS 3533L Forensic Biochemistry I Laboratory 1 hr
- MCB 3020C General Microbiology 5 hrs
- PCB 3522 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. 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses attempted 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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- Chemistry
- Forensic Science - Analysis Track
- Biomedical Sciences

Certificates
- None

Related Minors
- Chemistry
- Biomedical Sciences

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Before registering for Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/mathy/
This plan assumes you need to begin with the two semester chemistry course and pre-calculus. Having to start at a lower math class will increase the hours needed to be taken.

Freshman Year - Fall 16 hrs
- CHM 2040 Chemistry Fundamentals IA 3 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- BSC 2010C Biology I 4 hrs
- MAC 1140C Pre-Calculus Algebra 3 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring 16 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- ENC 1102 Composition II 3 hrs

Freshman Year - Summer 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- SPC 1600C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring 13 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- Lab may be taken in a later term if seats are not available.
- MCB 3020C General Microbiology 5 hrs
- GEP 3 hrs

Sophomore Year - Summer 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 14 hrs
- CHS 3505C Forensic Microscopy 4 hrs
- PCB 3233 Immunology 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Spring 14 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- PCB 3063 Genetics 3 hrs
- PCB 3063L Genetics Laboratory 1 hr

Senior Year - Fall 16 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs
- CHS 3533L Forensic Biochemistry I Laboratory 1 hr
- BCH 4053 Biochemistry I 3 hrs
- PCB 3522 Molecular Biology I 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- GEP 3 hrs

Senior Year - Spring 14 hrs
- CHS 4534C Forensic Biochemistry II 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- PCB 4524 Molecular Biology II 3 hrs
- Restricted Elective 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.o eas.ucf.edu/ academiclearningcompacts.html

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

French (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 521
http://mll.cah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a “C” (2.0) in each upper division French course.

- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Math
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics 3 hrs

Statistics - Computers
   3 hrs
   Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (14 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 FRE 1120C Elementary French Language and Civilization I 4 hrs
   1 FRE 1121C Elementary French Language and Civilization II 4 hrs
   1 FRE 2200 Intermediate French Language and Civilization I 3 hrs
   1 FRE 2201 Intermediate French Language and Civilization II 3 hrs

1 *May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level
   - None
4. Core Requirements: Advanced Level (21 hrs)
FRW 3100 Survey of French Literature I 3 hrs
1 FRE 3300 French Grammar 3 hrs
1 FRE 3420 French Composition 3 hrs
1 FRE 3760 Advanced French Oral Communication 3 hrs
1 FRE 3780 French Phonetics and Diction 3 hrs

Select 1: 3 hrs
1 FRE 4421 Advanced French Conversation or 3 hrs
FRE 4422 Advanced French Composition 3 hrs

Select 1: 3 hrs
FRW 3101 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)
FRW course beyond the survey level (taught in French) 6 hrs
Select any upper level FRE, FRT, or FRW courses not already used in the major.

6. Capstone Requirements
■ None

7. Foreign Language Requirements

Admissions
■ Met by graduation requirements.
Graduation
■ Met by Common Program Prerequisites
8. Electives
■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
9. Additional Requirements
■ None
10. Required Minors
■ None
11. Departmental Exit Requirements
■ Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses
■ Students are required to satisfactorily complete a departmental exit exam, entirely in French. The exam is offered at the end of each October and March and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the French Program Director. Students may take the French Exit Exam a maximum of two times. Exceptions must be approved by the student’s French advisor and by the French Program Director.
■ Students must submit their portfolio (FRE 4950) to their French Faculty Advisor
■ Computer Competency met by the following or equivalent:
  CDS 1060C Introduction to Computers 3 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF.
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Spanish

Certificates
■ None

Related Minors
■ French
■ Italian
■ Judaic Studies
■ Latin American Area Studies
■ Spanish

Advising Notes
■ None

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
WOH 2012 World Civilization I 3 hrs
MGF 1107 Explorations in Mathematics 3 hrs
FRE 1120C Elementary French Language and Civilization I 4 hrs

Freshman Year - Spring 13 hrs
ENC 1102 Composition II 3 hrs
WOH 2022 World Civilization II 3 hrs
CGS 1060C Introduction to Computers 3 hrs
FRE 1121C Elementary French Language and Civilization II 4 hrs

Freshman Year - Summer 8 hrs
FRE 2270 Intermediate French Study Abroad 8 hrs

Sophomore Year - Fall 12 hrs
FRE 2200 Intermediate French Language and Civilization I 3 hrs
Social Foundation (Group 1) 3 hrs
Science Foundation (Group 2) 3 hrs

Select 1: 3 hrs
SPC 1608 Fundamentals of Oral Communication or 3 hrs
SPC 1603C Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Spring 12 hrs
LIT 2120 World Literature II 3 hrs
FRE 2201 Intermediate French Language and Civilization II 3 hrs
Social Foundation (Group 2) 3 hrs
Science Foundation (Group 2) 3 hrs

Sophomore Year - Summer 6 hrs
Study Abroad 6 hrs

Junior Year - Fall 12 hrs
FRW 3100 Survey of French Literature I 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
FRE 3300 French Grammar 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 15 hrs
FRE 3760 Advanced French Oral Communication 3 hrs
FRE 4422 Advanced French Composition 3 hrs
FRE 3780 French Phonetics and Diction 3 hrs

Select 1: 3 hrs
FRW 3101 Survey of French Literature II or 3 hrs
FRW 3770 Francophone Literature 3 hrs
Restricted Elective 3 hrs

Senior Year - Fall 12 hrs
FRE 3420 French Composition 3 hrs
FRE 3440 Business French I 3 hrs

Select 1: 3 hrs
FRW 4552 Nineteenth Century French Literature or 3 hrs
FRW 3370 Short Stories of 18th, 19th and 20th Centuries 3 hrs
Restricted Elective 3 hrs

University of Central Florida
Health Informatics and Information Management  
(B.S.)  
College of Health and Public Affairs  
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210  
http://www.cohpa.ucf.edu/hmi/bshim.cfm  
Dr. Alice M. Noblin, alice.noblin@ucf.edu  
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring. Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0).
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program.

UCF Residency Requirement: 30 hours
1. UCF General Education Program (GEP) (36 hrs)
2. Common Program Prerequisites (CPP) (17 hrs)
3. Core Requirements: Basic Level (66 hrs)
4. Core Requirements: Advanced Level (66 hrs)
5. Restricted Electives
6. Capstone Requirements
7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

Electives
- None

Additional Requirements
- None

Required Minors
- None

11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for graduation.
- Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
UCF Degree Programs

- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- Health Services Administration
- Business Administration
- Computer Science

**Certificates**
- None

**Related Minors**
- Health Services Administration
- Business
- Computer Science

**Advising Notes**
- None

**Transfer Notes**
- Florida College System Equivalents:
  - Human Anatomy & Physiology I & II (BSC X085 and X086)
  - Financial Accounting (ACG 2021)
  - Managerial Accounting (ACG 2071)
  - Statistics (STA 2014C or any other statistics course)
  - Computer Science for Business (CGS 2100C)

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- GEP Social 3 hrs

**Freshman Year - Spring**
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP Historical 3 hrs
- GEP Social 3 hrs

**Sophomore Year - Fall**
- ZOO 3733C Human Anatomy 4 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- GEP Historical 3 hrs

**Sophomore Year - Spring**
- ACG 2071 Principles of Managerial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- GEP Communication 3 hrs
- GEP Cultural 3 hrs

**Junior Year - Fall**
- 1 HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- 1 HSC 3537 Medical Terminology 3 hrs
- HSC 2524 Introduction to Human Disease 3 hrs

**Select 1:**
- 1 MAN 3025 Management of Organizations or Agencies I 3 hrs
- HSA 4180 Organization & Management for Health Professionals 3 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

**Junior Year - Spring**
- HIM 4226C Coding Procedures I 5 hrs
- HIM 3116C Health Record Organization and Management 4 hrs
- HIM 3806C Professional Practice Experience I 3 hrs
- HIM 4624 Health Data Management 3 hrs

**Junior Year - Summer**
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans 3 hrs
- HSA 3423 Health Law 3 hrs

**Senior Year - Fall**
- HIM 4344C Health Information Department Management 4 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4666C Health Information Management Systems 3 hrs

**Senior Year - Spring**
- HIM 4676 Professional Development and Issues in Health Information Management 3 hrs
- HIM 4816C Professional Practice Experience II 3 hrs
- 1 HSA 4702 Health Sciences Research Methods 3 hrs
- 1 HSA 3170 Health Care Finance 3 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

**Senior Year - 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

**Health Sciences - Pre-Clinical Track (B.S.)**

**Department of Health Professions, Health and Public Affairs I, Room: 123**

[http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml](http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml)

Dr. Suha Saleh, pcinfo@ucf.edu, 407-823-0946

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to medicine, pharmacy, physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs in health professions. Most graduate programs such as medicine, physical therapy and physician assistant, require a GPA of at least 3.0.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
■ A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
■ Students must achieve at least 2.5 overall GPA for graduation.
■ No transfer course will be accepted with a grade lower than a “C.”

1. UCF General Education Program (GEP) (38 hrs)
   A: Communication Foundations (9 hrs)
      Required  MAC 1105C College Algebra  3 hrs
      Required  STA 2023 Statistical Methods I  3 hrs
1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

B: Cultural & Historical Foundations (9 hrs)
   Required  PSY 2012 General Psychology  GEP

C: Mathematical Foundations (6 hrs)
   Required  MAC 1114C College Trigonometry  3 hrs
   Required  BSC 2011C College Physics I  4 hrs
   Required  BSC 2010C College Physics II  4 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
   MAC 1114C College Trigonometry  3 hrs
   BSC 2010C College Physics I  4 hrs
   PHY 2054C College Physics II  4 hrs
   Select 1: 2 hrs
   ZOO 3744 Neurobiology  3 hrs
   ZOO 4743C Clinical Neuroanatomy and Neuroscience  4 hrs
   PHY 2054C College Physics II  4 hrs
   HSC 4008 Professional Development in Health Professions  3 hrs
   1 Students must earn appropriate score on placement exam prior to enrolling in these classes.
   2 For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

3. Core Requirements: Basic Level (20 hrs)
   CHM 2045C Chemistry Fundamentals I  4 hrs
   CHM 2046L Chemistry Fundamentals Laboratory  1 hr
   DEP 2004C Developmental Psychology  3 hrs
   HUN 2000 Introduction to the Allied Health Professions or Professional Development in Health Professions  2 hrs
   PSY 2012 General Psychology  GEP
   Select 1: 3 hrs
   HSC 4008 Professional Development in Health Professions  3 hrs
   1 Students must earn appropriate score on placement exam prior to enrolling in these classes.

4. Core Requirements: Advanced Level (29 hrs)
   HSC 3147 Introduction to Pharmacology  3 hrs
   HSC 3211 Preventive Health Care  3 hrs
   HSC 4555 Pathophysiology I  3 hrs
   HSC 4552 Health Law and Ethics  3 hrs
   HSC 4558 Pathophysiology II  3 hrs
   HSC 4501 Epidemiology of Chronic Diseases  3 hrs
   PCB 3703C Human Physiology  4 hrs
   ZOO 3733C Human Anatomy  4 hrs
   Select 1: 3 hrs
   HSC 4730 Applied Health Research Methodology  3 hrs
   HSA 4702 Health Sciences Research Methods  3 hrs

5. Restricted Electives (30 hrs)
   ■ Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.
   ■ Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student’s responsibility to check with graduate programs to meet prerequisites.
   ■ Students are advised to check the Program’s website for updated information and suggested electives for specific Health Professions Graduate Programs.

   ■ BCH 4053 Biochemistry I  3 hrs
   ■ CHM 2210 Organic Chemistry I  3 hrs
   ■ BSC 2011C Biology II  4 hrs
   ■ CHM 2211 Organic Chemistry II  3 hrs
   ■ CHM 2211L Organic Laboratory Techniques I  2 hrs
   ■ HSA 3111 U.S. Health Care Systems  3 hrs
   ■ HSC 3110 Medical Self Assessment  3 hrs
   ■ HSC 3537 Medical Terminology  3 hrs
   ■ HSC 3559 Disabilities in American Society  3 hrs
   ■ HSC 3593 HIV Disease: A Human Concern  3 hrs
   ■ HSC 3432 Occupational Safety for the Health Care Professional  3 hrs
   ■ HSC 4008 Professional Development in Health Professions  3 hrs
   ■ HSC 4564 Health Care Needs of the Elderly  3 hrs
   ■ HSC 4572 Clinical Nutrition  3 hrs
   ■ HSC 4730 Applied Health Research Methodology  5 hrs
   ■ MCB 3020C General Microbiology  3 hrs
   ■ MCB 4503C Virology  3 hrs
   ■ PCB 3063 Genetics  3 hrs
   ■ PCB 3063L Genetics Laboratory  1 hr
   ■ PCB 3233 Immunology  3 hrs
   ■ PCB 3233L Immunology Laboratory  1 hr
   ■ PCB 4805 Endocrinology  3 hrs
   ■ ATR 3203C Upper Extremity Function and Measurement  3 hrs
   ■ ATR 3204C Lower Extremity Function and Measurement  3 hrs
   ■ ATR 3312C Injury, Management, and Rehabilitation  3 hrs
   ■ PET 4606 Applied Fitness in Sport  3 hrs
   ■ SYO 4400 Medical Sociology  3 hrs
   ■ ZOO 3744 Neurobiology  3 hrs
   ■ ZOO 4734C Clinical Neuroanatomy and Neuroscience  4 hrs
   ■ ZOO 4753C Vertebrate Histology  4 hrs
   ■ HSC 4553 Concepts in Pathophysiological Diagnosis  3 hrs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   ■ None

8. Electives
   ■ Students who transfer in with a Florida College System institution AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

9. Additional Requirements
   ■ None

10. Required Minors
   ■ None

11. Departmental Exit Requirements
   ■ Students must achieve at least 2.5 overall GPA for graduation.
   ■ A minimum grade of “C” (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
   ■ Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences Pre-Clinical Track.

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
UCF Degree Programs

- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with a faculty advisor

Related Programs
- Biology
- Molecular Biology and Microbiology
- Athletic Training
- Sports and Fitness

Certificates
- None

Related Minors
- Biology
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Science Education

Advising Notes
- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

Transfer Notes
- Completion of an Associate of Arts degree from a Florida College System institution is strongly recommended.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida College System institution are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence before transferring, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida College System institution may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

Acceptable Substitutes for Transfer Courses
- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 2010L and BSC 1010L).
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 2011L and BSC 1011L).
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
- College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.
- Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall
- BSC 2010C Biology I 4 hrs
- MAC 1105C College Algebra 3 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- GEP Communication 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP Cultural 3 hrs

Sophomore Year - Fall
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- DEP 2004C Developmental Psychology 3 hrs
- ZOO 3733C Human Anatomy 4 hrs
- GEP Historical 3 hrs

Sophomore Year - Spring
- PCB 3703C Human Physiology 4 hrs
- HUN 2201 Fundamentals of Human Nutrition 3 hrs
- HSC 3147 Introduction to Pharmacology 3 hrs
- MAC 1114C College Trigonometry 3 hrs
- GEP Historical 3 hrs

Junior Year - Fall
- PHY 2053C College Physics I 4 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 3211 Preventive Health Care 3 hrs
- HSC 4552 Health Law and Ethics 3 hrs
- GEP Social 3 hrs

Junior Year - Spring
- PHY 2054C College Physics II 4 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HSC 4501 Epidemiology of Chronic Diseases 3 hrs
- Restricted Elective 3 hrs

Select 1
- HSC 4730 Applied Health Research Methodology 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oias.ucf.edu/academiclearningcompacts.html

Program Academic Learning Compacts
Health Services Administration (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/
Email: hsainfo@ucf.edu

Philip Wessel, MHA, Undergraduate Program Director
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://online.ucf.edu/learn-online/. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home. Students in this major are required to have an overall GPA of 2.5 or better upon graduation. Although a minimum overall GPA of 2.5 is needed for the program, students should plan to maintain a higher GPA to be competitive for graduate programs. UCF Residency Requirement: 30 hours

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog

■ Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.

■ Students should consult with a departmental advisor prior to first semester of enrollment.

■ The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours

■ UCF Residency Requirement: 30 hours

■ HSA Residency Requirement: Students must complete at least 42 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

■ Students must achieve at least 2.5 overall GPA for graduation.

■ Satisfactory completion of HSA 4850 Internship

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Select 1: (3 hrs)

Required CGS 1060C Introduction to Computers or

Required CGS 2100C Computer Fundamentals for Business

D: Social Foundations (6 hrs)

Required ECO 2023 Principles of Microeconomics

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.

Select 1: (6 hrs)

ECO 2023 Principles of Microeconomics
AGC 2071 Principles of Managerial Accounting
AGC 2021 Principles of Financial Accounting
STA 2023 Statistical Methods I

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (48 hrs)

■ Students must earn a “C” (2.0) or better in each Core Requirement

HSA 3104 Health Services Administration Cornerstone
HSA 3111 U.S. Health Care Systems
HSA 3170 Health Care Finance
HSA 3222 Long Term Care and Administration
HSA 3430 Health Care Economics
HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans
HSC 4201 Community Health
HSA 4180 Organization & Management for Health Agencies I
HIM 4508C Quality Management
HSA 4702 Health Sciences Research Methods
HSC 3537 Medical Terminology
HSC 4500 Epidemiology
HSC 4652 Health Law and Ethics
HSA 4184 Organization & Management for Health Agencies II
HSA 4191 Fundamentals of Health Information Technology
HSA 4850 Health Services Administration Internship
HSA 4853 Internship Orientation

1 Course must be completed no more than one semester prior to HSA 4850.

5. Restricted Electives

■ None

6. Capstone Requirements (3 hrs)

HSA 4859 Health Services Administration Capstone

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ Students who transfer with an AA degree from a Florida College System institution and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

8. Electives

■ Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

9. Additional Requirements

■ As a requirement for the Bachelor of Science in Health Services Administration major, students must complete an internship within the administrative realm of an actual health care organization. In order to participate in the HSA Internship the student must: 1) Have earned at least 90 Credit Hours prior to the start of the semester in which the internship begins; 2) Have earned at least 24 HSA Credit Hours prior to the start of the semester in which the internship begins; 3) Have a Major GPA of 2.75 prior to the start of the semester in which the internship begins. Additionally, many health care organizations will require that students complete a background check, which may include, but not be limited to, law enforcement finger printing, state driving records, credit reports, and criminal records check. The cost of the background check is the student’s responsibility. Background checks may take time to complete and, subsequently, could delay the student’s internship placement. It is advised that, in the semester prior to the internship, the student contact the organization directly to obtain further information on the organization’s background check requirements. Students who have potential background issues must contact the Director of Internships to schedule an interview in order to discuss...
UCF Degree Programs

the impact on field placement. The Health Services Administration Program cannot guarantee internship placement or subsequent degree completion for students who do not pass background checks.

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Students must earn a "C" (2.0) or better in each Health Services Administration course.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 120

Honors In Major
   - Interested students should consult with a faculty advisor.

Related Programs
   - Public Administration
   - Health Informatics and Information Management

Certificates
   - Aging Studies

Related Minors
   - Aging Studies
   - Health Informatics and Information Management
   - Health Sciences
   - Public Administration

Advising Notes
   - Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
   - A variety of internship opportunities is available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
   - Students will be assigned a faculty member for the purpose of career advising.

Transfer Notes
   - None

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study

Freshman Year - Fall  
ENC 1101  Composition I  3 hrs  
HSC 2000  Introduction to the Allied Health Professions  2 hrs  
MAC 1105C  College Algebra  3 hrs  
Free Elective  3 hrs  
GEP Social  3 hrs  

Freshman Year - Spring  
ENC 1102  Composition II  3 hrs  
GEP Communication  3 hrs  
GEP Science  3 hrs  
GEP Cultural  3 hrs  

Sophomore Year - Fall  
ECO 2023  Principles of Microeconomics  3 hrs  
GEP Science  3 hrs  
CSG 2100C  Computer Fundamentals for Business  3 hrs  
ACG 2021  Principles of Financial Accounting  3 hrs  
GEP Historical  3 hrs  

Sophomore Year - Spring  
ACG 2071  Principles of Managerial Accounting  3 hrs  
STA 2023  Statistical Methods I  3 hrs  
Free Elective  3 hrs  
GEP Historical  3 hrs  

Select 1:
   - Free Elective  3 hrs
   - Foreign Language  4 hrs

Select 1:
   - Free Elective  3 hrs
   - Foreign Language  4 hrs

If not satisfied in high school

Junior Year - Fall  
HSA 3104  Health Services Administration Cornerstone  3 hrs  
HSA 3111  U.S. Health Care Systems  3 hrs  
HSC 3537  Medical Terminology  3 hrs  
HSC 4201  Community Health  3 hrs  
HSA 3222  Long Term Care and Administration  3 hrs  

Junior Year - Spring  
HSA 3170  Health Care Finance  3 hrs  
HSC 4500  Epidemiology  3 hrs  
HSA 4180  Organization & Management for Health Agencies I  3 hrs  
HSA 4191  Fundamentals of Health Information Technology  3 hrs  
Elective / Minor  3 hrs

Senior Year - Fall  
HSA 3430  Health Care Economics  3 hrs  
HSA 4184  Organization & Management for Health Agencies II  3 hrs  
HIM 4508C  Quality Management  3 hrs  
HSA 4702  Health Sciences Research Methods  3 hrs  
Free Elective  3 hrs  
HSA 4853  Internship Orientation  0 hrs

Senior Year - Spring  
HSA 4109  Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans  3 hrs  
HSC 4652  Health Law and Ethics  3 hrs  
HSA 4939  Health Services Administration Capstone  3 hrs  
HSA 4850  Health Services Administration Internship  3 hrs

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Email: history@ucf.edu
Dr. John Sacher, Chair
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)

B: Cultural & Historical Foundations (9 hrs)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- 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 AMH 2020 U.S. History: 1877-Present 3 hrs
- Select one course from D.2 list 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.
- AMH 2010 U.S. History: 1492-1877 GEP
- AMH 2020 U.S. History: 1877-Present GEP

3. Core Requirements: Basic Level (6 hrs)
- Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and WOH courses can be substituted for these requirements.
- EUH 2000 Western Civilization I 3 hrs
- EUH 2001 Western Civilization II 3 hrs
- WOH 2012 World Civilization I 3 hrs
- WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
- (Must be taken within the History Department)

Select six hours of approved history courses 18 hrs within three of four 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
- HIS 4959 History Portfolio 0 hrs

7. Foreign Language Requirements
- Admissions
  - Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

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.

UCF Degree Programs

Submit a portfolio (HIS 4959) during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.

Computer competency met by completion of the major.

Students must complete at least 18 of the required 36 History credit hours at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Humanities
- Certificates
- None

Related Minors
- African - American Studies
- American Studies
- Asian Studies
- Florida Studies
- Humanities
- Judaic Studies
- Middle Eastern Studies
- Latin American Area Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
  1 AMH 2010 U.S. History: 1492-1877 3 hrs
  2 AMH 2020 U.S. History: 1877-Present 3 hrs

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Freshman Year - Spring 15 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall 16 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- GEP 3 hrs
- Core Course 3 hrs
- CGS 1060C Introduction to Computers 3 hrs
- Restricted Elective 3 hrs

UNIVERSITY OF CENTRAL FLORIDA

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## UCF Degree Programs

### Hospitality Management (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819

**http://www.hospitality.ucf.edu**

**Email:** hospitality@mail.ucf.edu

Dr. Kevin Murphy, Department Chair, Kevin.Murphy@ucf.edu, 407-903-8177
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

#### Admission Requirements
- None

#### Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. **UCF General Education Program (GEP)**
   - (36 hrs)
   - **Select 1:** 3 hrs
     - Required: MAC 1105C College Algebra

2. **Core Courses**
   - 3 hrs
     - Required: CGS 2100C
     - Required: STA 2023
   - 3 hrs
     - Restricted Elective
   - 3 hrs
     - Restricted Elective
   - 3 hrs
     - Restricted Elective
   - 3 hrs
     - Restricted Elective

3. **Sophomore Year - Spring**
   - 16 hrs
     - SPN 1121C Elementary Spanish Language and Civilization II

4. **Junior Year - Fall**
   - 15 hrs
     - HIS 4150 History and Historians

5. **Junior Year - Spring**
   - 15 hrs
     - Restricted Elective

6. **Senior Year - Fall**
   - 15 hrs
     - Restricted Elective

7. **Senior Year - Spring**
   - 13 hrs
     - Restricted Elective

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

#### Quantitative Tools
- MAC 1105C College Algebra
- STA 2023 Statistical Methods I

#### Select 1:
- Required: ECO 2023 Principles of Microeconomics
- Required: ECO 2013 Principles of Macroeconomics

#### Select 5:
- Required: FSS 4286C Catering and Banquet Organization
- Required: HFT 3353 Golf Planning & Operations I
- Required: HFT 3354 Agronomy for Golf Course Management
- Required: HFT 3355 Golf Planning & Operations II
- Required: HFT 3357 Golf & Club Event Operations
- Required: HFT 3384 Golf and Club Enterprises Management
- Required: HFT 3654 Hospitality Franchising
- Required: HFT 3741 Meeting Management
- Required: HFT 3770 Cruise Line Operations and Management
- Required: HFT 3798 Fairs and Festivals
- Required: HFT 3868 History and Culture of Wine
- Required: HFT 4065 Fine Spirits Management

## Undergraduate Catalog 2015-2016

UNIVERSITY OF CENTRAL FLORIDA
## 11. Departmental Exit Requirements

- **Required Minors**: classes or restricted electives at UCF.

- **Graduation**: thirty (30) credit hours in Hospitality Management core.

## 10. Required Minors

- **Electives**
- **Additional Requirements**
- **Required Minors**
- **Electronic Requirements**

## 9. Additional Requirements

- **Final exams will be given during Exam Week only.**
- **Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.**

## 10. Required Minors

- **None**

## 11. Departmental Exit Requirements

- **None**

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### Specialized Tracks

<table>
<thead>
<tr>
<th>Track</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td><strong>Theme Park and Attraction Management Track</strong></td>
<td><strong>15 hrs</strong></td>
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<tr>
<td>HFT 4751 - Managing the Employee Experience in the Theme Park and Attraction Industry</td>
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<tr>
<td>HFT 4561 - Destination Marketing</td>
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<tr>
<td>HFT 4614 - Risk Management in Theme Parks and Attractions</td>
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<td>HFT 4735 - Tourism Geography</td>
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<td>HFT 4736 - Destination Management</td>
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<td>HFT 4754 - Exhibit and Trade Show Operations</td>
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<td>HFT 4759 - Product Development in Theme Parks and Attractions</td>
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<td>HFT 4762 - Current Practices in the Airline Industry</td>
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<td>HFT 4752 - Managing the Guest Experience in the Theme Park and Attraction Industry</td>
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<td>HFT 4758 - Operational Issues in the Theme Park and Attraction Industry</td>
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<td>HFT 4795 - Entertainment Arts and Events</td>
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### Golf and Club Management Track

<table>
<thead>
<tr>
<th>Track</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td><strong>15 hrs</strong></td>
<td></td>
</tr>
<tr>
<td>HFT 3353 - Golf Planning &amp; Operations I or II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3354 - Agronomy for Golf Course Management or II</td>
<td>3 hrs</td>
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<td>HFT 3355 - Golf Planning &amp; Operations II or II</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3357 - Golf &amp; Club Event Operations or II</td>
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<td>HFT 3384 - Golf and Club Enterprises Management or II</td>
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</tr>
<tr>
<td>HFT 4358 - Golf &amp; Club Facility Design</td>
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</tbody>
</table>

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### University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- **120**

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### Plan of Study

- **Freshman Year - Fall**
  - Select 1: ENC 1101 Composition I 3 hrs
  - HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
  - MAC 1105C College Algebra 3 hrs
  - Cult/Hist. Foundations I 3 hrs

- **Freshman Year - Spring**
  - Select 1: ENC 1102 Composition II 3 hrs
  - SPC 1608 Fundamentals of Oral Communication 3 hrs
  - MAC 1105C College Algebra 3 hrs
  - Cult/Hist. Foundations II 3 hrs

- **Sophomore Year - Fall**
  - Select 1: HFT 2750 The Event Industry or 3 hrs
  - HFT 2254 Lodging Operations 3 hrs

- **Sophomore Year - Spring**
  - Select 1: ECO 2013 Principles of Macroeconomics or 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

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### Acceptable Substitutes for Transfer Courses

- **None**
Select 1: 3 hrs
HFT 2254 Lodging Operations or 3 hrs
HFT 2750 The Event Industry 3 hrs

Sophomore Year - Spring 16 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
Science Foundations II 3 hrs
Cult/Hist. Foundations III 3 hrs
Free Elective 3 hrs
FSS 2221C Techniques of Food Preparation 4 hrs

Junior Year - Fall 16 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 3603 Legal Environment in the Hospitality and 3 hrs
Tourism Industry
HFT 3940 Internship I 1 hr
Sectional Studies 6 hrs

Junior Year - Spring 16 hrs
HFT 3431 Hospitality industry Managerial Accounting 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 4941 Internship II 1 hr
Sectional Studies 6 hrs
Hospitality Restricted Elective 3 hrs

Senior Year - Fall 16 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4944 Internship III 1 hr
Hospitality Restricted Electives 6 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs
HFT 4295 Leadership and Strategic Management in 3 hrs
Hospitality Industry
Hospitality Restricted Electives 6 hrs
Free Electives 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/academiclearningcompacts.html

Equipment Fees
Part-Time Student: $37.50 per term
Full-Time Student: $75 per term

Human Communication (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, Area Coordinator, j.katt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
None

Degree Requirements
Students who change degree programs (other than from
COM Pending) and select this major must adopt the most
current catalog.
Co-op or internship credit may be used in this major
with prior advisor approval.
Students cannot exceed a total of six credits of
internship, co-op, and independent study credits combined.
Students must consult with a school advisor.
School residency requirement consists of at least 24
semester hours of regularly scheduled 3000-4000 level
courses taken from the Nicholson School of Communication.
All prerequisites of courses taught within the College of
Sciences will be enforced.
Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually
completed in the first 60 hours.

UCF Degree 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
Select 1: 3 hrs
Required SPC 1608 Fundamentals of Oral 3 hrs
Communication or
Required SPC 1603C Fundamentals of Technical Presentations 3 hrs
B: Cultural & Historical Foundations (9 hrs)
Statistics: (6 hrs)
Required STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Required STA 2014C Principles of Statistics 3 hrs
Math: (3 hrs)
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate
scores on the Math Placement Exam.
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (18 hrs)
Students are expected to select these courses outside
their major, and outside the GEP. The courses may be
interspersed throughout their 4 year program.
See “Common Prerequisites” in the Transfer and
Transitions Services section for more information.
3. Core Requirements: Basic Level (3 hrs)
Speech
SPC 1603C Fundamentals of Technical Presentations GEP
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics or 3 hrs
4. Core Requirements: Advanced Level (12 hrs)
Select 1:
COM 3011C Communication and Human Relations or 3 hrs
COM 3003 Exploring Human Communication 3 hrs
Take all of the following: 9 hrs
COM 3120 Organizational Communication and 3 hrs
COM 3311 Communication Research Methods and 3 hrs
SPC 3301 Interpersonal Communication 3 hrs
5. Restricted Electives (27 hrs)
Internal Restricted Electives: 21 hrs
Select from the following list:
COM 3013 Communication and the Family 3 hrs
COM 3022 Health Communication 3 hrs
COM 3110 Business and Professional Communication 3 hrs
COM 3332 Communication, Technology, and Change 3 hrs
COM 3406 Role of Motivation in Communication 3 hrs
COM 4014 Gender Issues in Communication 3 hrs
COM 4416 Terrorism and Communication 3 hrs
COM 4461 Intercultural Communication 3 hrs
COM 4462 Conflict Management 3 hrs
SPC 3445 Leadership Through Oral Communication 3 hrs
SPC 3513C Argumentation and Debate 3 hrs
SPC 4331 Nonverbal Communication 3 hrs
SPC 4426 Group Dynamics 3 hrs
SPC 4540 Persuasion and Communication 3 hrs
A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>COM 4941</td>
<td>Internship</td>
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<tr>
<td>COM 4906</td>
<td>Directed Independent Study</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC X949</td>
<td>Coop</td>
<td></td>
</tr>
<tr>
<td>COM X949</td>
<td>Coop</td>
<td></td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

- ENC 3315  Argumentative Writing or 3 hrs
- ENC 3311  Essay as Cultural Commentary or 3 hrs
- ENC 3250  Professional Writing or 3 hrs
- ENC 3314  Writing in the University or 3 hrs
- ENC 3241  Writing for the Technical Professional or 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 Human Communication area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

6. Capstone Requirements

- None

7. Foreign Language Requirements

- Admissions
  - Met by graduation requirement.
- Graduation
  - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
  - Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

8. Electives

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- Human Communication
- Mass Communication

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

FRESHMAN YEAR - FALL

- ENC 1101  Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

FRESHMAN YEAR - SPRING

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

SOmMOROYE - FALL

- Core-Computer Science 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

SOmMOROYE - SPRING

- COM 3311  Communication Research Methods 3 hrs
- Select 1: 3 hrs
- COM 3011C  Communication and Human Relations or 3 hrs
- COM 3003  Exploring Human Communication 3 hrs
- GEP 3 hrs
- Elective (Consider a minor) 3 hrs

JUNIOR YEAR - FALL

- SPC 3301  Interpersonal Communication 3 hrs
- COM 3120  Organizational Communication 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- GEP 3 hrs

JUNIOR YEAR - SPRING

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

JUNIOR YEAR - SUMMER

- Restricted Elective-Internship 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

SENIOR YEAR - FALL

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 3 hrs

SENIOR YEAR - SPRING

- Restricted Elective 3 hrs
- Elective (Consider a minor) 3 hrs
- Elective (Consider a minor) 4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html
UCF Degree Programs

Humanities and Cultural Studies (B.A.)

College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Claudia Schippert, Claudia.Schippert@ucf.edu, 407-823-2273

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

- Required HUM 2210 Humanistic Tradition I 3 hrs
- Required HUM 2230 Humanistic Tradition II 3 hrs

Select 1:

- Suggested REL 2300 World Religions or 3 hrs
- Suggested PHI 2010 Introduction to Philosophy 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Required HUM 2210 Humanistic Tradition I 3 hrs
- Required HUM 2230 Humanistic Tradition II 3 hrs

C: Mathematical Foundations (6 hrs)

- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

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

Statistics-Computers

Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level

- HUM 2210 Humanistic Tradition I GEP
- HUM 2230 Humanistic Tradition II GEP

Select 1

- PHI 2010 Introduction to Philosophy or REL 2300 World Religions or 3 hrs

4. Core Requirements: Advanced Level (33 hrs)

Core Requirements

- HUM 220 Humanizing the Humanities 3 hrs

Humanities Foundations

- HUM 3431 Ancient Humanities or 3 hrs
- HUM 3435 Medieval Humanities or 3 hrs
- HUM 3255 Modern Humanities or 3 hrs
- HUM 3252 Contemporary Humanities 3 hrs

Theories and Methods

- HUM 3805 Critical Theory in the Humanities or 3 hrs
- HUM 3830 Introduction to Digital Humanities or 3 hrs
- HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4823 Queer Theory in the Humanities or 3 hrs
- HUM 4826 Postcolonial Theory 3 hrs

Total Semester Hours Required

120

Honors In Major

- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.

5. Restricted Electives

- None

6. Capstone Requirements (3 hrs)

- HUM 4933 Senior Research Seminar 3 hrs

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Departmental Exit Exam in final semester. Exam may be part of HUM 4933: Humanities Senior Research Seminar
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - HUM 4970H Undergraduate Honors Thesis 3 hrs
  - HUM 4933 Senior Research Seminar 3 hrs
  - STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major.

Requirements are as follows:

a. Core Requirements, Humanities and Cultural Studies, and Capstone 36 hrs

b. Honors Thesis 6 hrs

- HUM 4903H Honors Directed Reading I 3 hrs
- HUM 4970H Undergraduate Honors Thesis 3 hrs

c. Additional Requirements of Honors in the Major

- Application and admission through the Humanities Honors Coordinator
- Fulfill University requirements for Honors in the Major
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
Students in the Industrial Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Industrial Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Industrial Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Industrial Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)

The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics 3 hrs
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- 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. A 2.0 cumulative GPA or better is required for those courses in this section.
UCF Degree Programs

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A 2.0 cumulative GPA or better is required for this course.
- Preferred

3. Core Requirements: Basic Level (2 hrs)

Engineering Core: Basic
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.500 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
- EGS 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (59 hrs)

Courses Required for the Major 59 hrs
- The Industrial Engineering and Management Systems department requires all students within the major to achieve a “C” (2.0) GPA or better in all courses in this section with a prefix of EIN, EGS, ESI, STA and MAS.
- EGS 4624 Engineering Innovation and Leadership 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EIN 3314 Work Analysis and Design 3 hrs
- ESI 4628 Decision Support Systems for Industrial Engineers
- EIN 4243C Human Engineering 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364 Facilities Planning 3 hrs
- EIN 4391 Manufacturing Engineering 3 hrs
- ESI 4221C Human Factors for Industrial Engineering
- ESI 4234 Quality Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4523 Systems Simulation 3 hrs
- EIN 4517 Systems Engineering 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EIN 2002 Introduction to Industrial Engineering and Management Systems
- MAS 3105 Matrix and Linear Algebra 4 hrs
- EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs

Select 1: 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer or
- EGN 3343 Thermodynamics

Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

5. Restricted Electives (6 hrs)
- Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements (4 hrs)
- EIN 4891C Industrial Engineering Senior Design Project

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen:
  - The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- EGS 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- CHS 1440 Principles of Chemistry 4 hrs

Freshman Year - Spring 12 hrs
- ENC 1102 Composition II 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Freshman Year - Summer 9 hrs
- COP 3223C Introduction to Programming with C 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics

Select 1 3 hrs
- SPC 1603C Fundamentals of Technical Presentations or
- SPC 1608 Fundamentals of Oral Communication 3 hrs
Sophomore Year - Fall 14 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs
EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
GEP 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs

Sophomore Year - Spring 13 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs

Sophomore Year - Summer 10 hrs
GEP 6 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 12 hrs
EIN 3314 Work Analysis and Design 3 hrs
ESI 4312 Operations Research 3 hrs
ESI 4628 Decision Support Systems for Industrial Engineers 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

Junior Year - Spring 12 hrs
ESI 4523 Systems Simulation 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4364 Facilities Planning 3 hrs
EIN 4243C Human Engineering 3 hrs

Junior Year - Summer 9 hrs
GEP 3 hrs
GEP 3 hrs
EGN 3343 Thermodynamics 3 hrs

Senior Year - Fall 12 hrs
Approved Technical Elective 3 hrs
EIN 4391 Manufacturing Engineering 3 hrs
ESI 4234 Quality Engineering 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs

Senior Year - Spring 13 hrs
EIN 4891C Industrial Engineering Senior Design Project 4 hrs
Approved Technical Elective 3 hrs
EGS 4624 Engineering Innovation and Leadership 3 hrs
EIN 4517 Systems Engineering 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/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $38 per term
- Full-Time Student: $77 per term

Information Technology (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/
Email: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Jenny Shen
Julie Faris
Phone: 407-823-2341

Admission Requirements
- None

Degree Requirements
- “C” (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.

- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the Department of EECS at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.
- Students in the Information Technology major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Information Technology who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Information Technology major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Information Technology who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors. Any student majoring in Information Technology who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.
- A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Information Technology major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Prefer SPC 1603C Fundamentals of Technical Presentations or
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required STA 2023 Statistical Methods I 3 hrs

Select 1:
- Suggested MAC 1105C College Algebra or
- Suggested MAC 1140C 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 class from Science Foundations 3 hrs
UCF Degree Programs

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.
   MAC 1114C College Trigonometry 3 hrs
   ECO 2013 Principles of Macroeconomics GEP
   PSY 2012 General Psychology GEP
   PHY 2053C College Physics I GEP
   COP 3223C Introduction to Programming with C 3 hrs
   COP 3330 Object Oriented Programming 3 hrs
   CGS 2545C Database Concepts 3 hrs
   STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
MAD 2104 Foundations of Discrete Math or 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs

3. Core Requirements: Basic Level
   ■ None

4. Core Requirements: Advanced Level (52 hrs)
   ■ A “C” (2.0) or better is required in all these courses.
   Core Requirements 46 hrs
   COP 3502C Computer Science I 3 hrs
   CIS 3360 Security in Computing 3 hrs
   CAP 4104 Human and Technology Interaction 3 hrs
   CGS 3269 Computer Architecture Concepts 3 hrs
   CNT 3004 Computer Network Concepts 3 hrs
   CIS 3003 Fundamentals of Information Technology 3 hrs
   CIS 4524 Managing IT Integration 3 hrs
   CNT 4714 Enterprise Computing 3 hrs
   CIS 4004 Web-Based Information Technology 3 hrs
   CNT 4703C Design and Implementation of Computer Communication Networks
   COP 4910 Frontiers in Information Technology 3 hrs
   PHI 3626 Advanced Ethics in Science and Technology
   CGS 3763 Operating System Concepts 3 hrs
   CNT 4603 System Administration and Maintenance 3 hrs
   PHY 2054C College Physics II 4 hrs

Support Courses 6 hrs
   A “C” (2.0) or better is required in all these courses.
   Select 1: 3 hrs
   ENC 4265 Writing for the Computer Industry or 3 hrs
   ENC 4414 Writing and Hyper-text or 3 hrs
   ENC 4415 Digital Rhetorics and The Modern Dialectic or
   ENC 4298 Technical Communication for the Virtual Workplace or
   ENC 4416 Writing in Digital Environments or 3 hrs
   ENC 4262 International Technical Communication or
   ENC 4215 Technical Publication and Project Management
   Select 1: 3 hrs
   ENC 3241 Writing for the Technical Professional or 3 hrs
   ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)
   ■ Six hours of any 3000-level (or higher) courses
     offered by Computer Science and Information Technology
     programs. CGS 4941 can be used as a restricted elective.
   ■ A “C” (2.0) or better is required in all these courses.

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or
     one year of one foreign language in college (or equivalent
     proficiency exam) prior to graduation.

Graduation
   ■ None

8. Electives
   ■ Remaining hours needed to meet minimum of 120 hours
     for graduation should be met with Free Electives.

9. Additional Requirements
   ■ An “S” grade is required in all these courses.
   Major specific support courses 1 hr
   CIS 3990 IT Career and Academic Advising I 0 hrs
   CIS 4991 IT Career and Academic Advising II 0 hrs
   CIS 3921 Careers in IT 1 hr

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ None

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be
      completed in residency at UCF.
    ■ A maximum of 45 hours of extension, correspondence,
      CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon
      Rule, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors In Major
■ None

Related Programs
■ Computer Engineering
■ Computer Science

Certificates
■ None

Related Minors
■ Computer Science
■ 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.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
Freshman Year - Fall 12 hrs
   ENC 1101 Composition I 3 hrs
   SPC 1603C Fundamentals of Technical Presentations 3 hrs
   COP 3223C Introduction to Programming with C 3 hrs
Select 1: 3 hrs
   MAC 1105C College Algebra or 3 hrs
   MAC 1140C Pre-Calculus Algebra 3 hrs

Freshman Year - Spring 15 hrs
   ENC 1102 Composition II 3 hrs
   MAC 1114C College Trigonometry 3 hrs
   COP 3502C Computer Science I 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   PSY 2012 General Psychology 3 hrs

Sophomore Year - Fall 16 hrs
   MAD 2104 Foundations of Discrete Math 3 hrs
   COP 3330 Object Oriented Programming 3 hrs
   PHY 2053C College Physics I 4 hrs
   CGS 2545C Database Concepts 3 hrs
   GEP 3 hrs

Sophomore Year - Spring 16 hrs
   CGS 3269 Computer Architecture Concepts 3 hrs
   STA 2023 Statistical Methods I 3 hrs
   CIS 3003 Fundamentals of Information Technology 3 hrs
   GEP 3 hrs
   Free Elective 3 hrs
   CIS 3921 Careers in IT 1 hr
   CIS 3990 IT Career and Academic Advising I 0 hrs
Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of "C" (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.

See Common Program Prerequisites

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in Integrated Business must apply for admission to the major.
- Students receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students in the Integrated Business major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Integrated Business major and/or College of Business. A student who is dismissed may seek consideration for re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.
- Students majoring in Integrated Business must earn a grade of "C" (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

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

A: Communication Foundations (9 hrs)
- Select 1: 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
- Required CGS 2100C Computer Fundamentals for Business
- Required MAC 1105C College Algebra

C: Mathematical Foundations (6 hrs)
- Required ECO 2013 Principles of Macroeconomics
- Required ECO 2023 Principles of Microeconomics

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
- Suggested ANT 2000 General Anthropology or
- Suggested PSY 2012 General Psychology or
- Suggested SYG 2000 Introduction to Sociology

E: Science Foundations (6 hrs)
- 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 l 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a "C" (2.0) or better.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.
- ECO 3401 Quantitative Business Tools l 3 hrs

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<tr>
<td>CAP 4104 Human and Technology Interaction</td>
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<td>PHY 2054C College Physics II</td>
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<td>CNT 3004 Computer Network Concepts</td>
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<td>CIS 3360 Security in Computing</td>
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<tr>
<td>CIS 4524 Managing IT Integration</td>
<td>3 hrs</td>
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<tr>
<td>PHI 3626 Advanced Ethics in Science and Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>CGS 3763 Operating System Concepts</td>
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<th>Senior Year - Fall</th>
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<tr>
<td>CNT 4703 Design and Implementation of Computer Networks</td>
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<td>CIS 4004 Web-Based Information Technology</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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<tr>
<td>CNT 4603 System Administration and Maintenance</td>
<td>3 hrs</td>
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<tr>
<td>CIS 4991 IT Career and Academic Advising II</td>
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<tr>
<td>Free Elective</td>
<td>4 hrs</td>
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<tr>
<td>CNT 4910 Frontiers in Information Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CNT 4714 Enterprise Computing</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/academiclearningcompacts.html

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $23 per term
- Full-Time Student: $47 per term

Integrated Business (B.S.B.A.)
College of Business Administration

Business Administration II, Room: 101
http://business.ucf.edu/undergraduate-programs
Phone: 407-823-2185

The Integrated Business (IB) degree is intended to develop a strong business "generalist" who has the ability and capacity to enter the workforce with a broad understanding of business and strong financial, analytic and communication skills. As such, they will be an attractive candidate for entry-level roles in project management, operational management, and sales management. Not eligible for a double degree or double major with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
UCF Degree Programs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (52 hrs)
   **Primary Core** 15 hrs
   - ACG 3173 Accounting for Decision-Makers 3 hrs
   - ECO 3411 Quantitative Business Tools II 3 hrs
   - FIN 3403 Business Finance 3 hrs
   - MAN 3025 Management of Organizations 3 hrs
   - MAR 3023 Marketing 3 hrs

   **Secondary Core** 13 hrs
   - GEB 3003 Career Research & Planning 1 hr
   - GEB 3005 Career Search Strategy 1 hr
   - BUL 3130 Legal and Ethical Environment of Business 3 hrs
   - GEB 3375 Introduction to International Business 3 hrs
   - MAR 3203 Supply Chain and Operations Management 3 hrs
   - GEB 4223 Business Interviewing Techniques 1 hr
   - GEB 4004 Executing Your Career Plan 1 hr

   **Required Courses for Major** 24 hrs
   - GEB 4522 Data Driven Decision Making 3 hrs
   - ISM 4041 Applied Business Technologies 3 hrs
   - MAN 3022 Essentials of Human Resource Management 3 hrs
   - GEB 3375 Introduction to International Business 3 hrs
   - MAR 3203 Supply Chain and Operations Management 3 hrs
   - ECO 3223 Money and Banking 3 hrs
   - MAR 3407 Contemporary Selling 3 hrs
   - MAR 3203 Marketing 3 hrs
   - GEB 3003 Career Research & Planning 1 hr
   - MAR 3407 Contemporary Selling 3 hrs
   - ECO 3223 Money and Banking 3 hrs
   - MAR 3407 Contemporary Selling 3 hrs
   - GEB 3003 Career Research & Planning 1 hr
   - MAR 3407 Contemporary Selling 3 hrs
   - GEB 3003 Career Research & Planning 1 hr
   - MAR 3407 Contemporary Selling 3 hrs
   - GEB 3003 Career Research & Planning 1 hr
   - MAR 3407 Contemporary Selling 3 hrs

   **5. Restricted Electives** (3 hrs)
   - Take one class from the list below.
     - FIN 2100 Personal Finance and Investments 3 hrs
     - SPB 3003 Introduction to Sport Business 3 hrs
     - REE 3043 Fundamentals of Real Estate 3 hrs
     - ECO 3223 Money and Banking 3 hrs
     - MAR 4840 Fundamentals of Services Marketing 3 hrs
     - GEB 4941 Internship Management 3 hrs

   **6. Capstone Requirements** (3 hrs)
   - An approved Intent to Graduate must be on file in order to register for MAN 4720
   - MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   - Graduation
     - None

8. Electives
   - Variable

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum major GPA and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   **Total Semester Hours Required** 120

   **Honors In Major**
   - None

   **Related Programs**
   - None

   **Certificates**
   - None

   **Related Minor**
   - None

   **Advising Notes**
   - Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
   - Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

   **Transfer Notes**
   - Lower division courses do not substitute for upper division courses.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
   - Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
   - Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisite class.
   - Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

   **Acceptable Substitutes for Transfer Courses**
   - None

   **Plan of Study**
   - General electives as required to earn 120 credit hours.

   **Freshman Year - Fall** 15 hrs
   - ENC 1101 Composition I 3 hrs
   - MAC 1105C College Algebra 3 hrs
   - ECO 2013 Principles of Macroeconomics 3 hrs
   - Cultural Foundation I 3 hrs
   - Elective 3 hrs

   **Freshman Year - Spring** 15 hrs
   - ENC 1102 Composition II 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs
   - Social Foundation 3 hrs
   - Elective 3 hrs
   - Elective 3 hrs

   **Sophomore Year - Fall** 15 hrs
   - ACG 2021 Principles of Financial Accounting 3 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Historical Foundation I 3 hrs
   - Science 3 hrs
   - Elective 3 hrs

   **Sophomore Year - Spring** 15 hrs
   - ACG 2071 Principles of Managerial Accounting 3 hrs
   - ECO 3401 Quantitative Business Tools I 3 hrs
   - Historical Foundation II 3 hrs
   - Science 3 hrs
   - CGS 2100A Computer Fundamentals for Business 3 hrs

   **Junior Year - Fall** 16 hrs
   - GEB 3003 Career Research & Planning 1 hr
   - MAN 3025 Management of Organizations 3 hrs
   - MAR 3023 Marketing 3 hrs
   - FIN 3403 Business Finance 3 hrs
UNE 3411 Quantitative Business Tools II 3 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs

Junior Year - Spring 13 hrs
GEB 3005 Career Search Strategy 1 hr
MAN 3302 Essentials of Human Resource Management 3 hrs
ISM 4014 Applied Business Technologies 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
GEB 3031 Integrated Business Foundations 3 hrs

Senior Year - Fall 16 hrs
GEB 3375 Introduction to International Business 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr
MAR 3203 Supply Chain and Operations Management 3 hrs
MAR 3407 Contemporary Selling 3 hrs
GEB 4522 Data Driven Decision Making 3 hrs
ENT 4412 Managing Small Business Finances 3 hrs

Senior Year - Spring 13 hrs
ECP 4703 Managerial Economics 3 hrs
MAN 4720 Strategic Management 3 hrs
MAN 4583 Project Management 1 hr
MAN 4583 Project Management 3 hrs
IB Restricted Elective 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
Part-Time Student: $15 per term
Full-Time Student: $30 per term

Interdisciplinary Studies (B.A. / B.S.)
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
Co-op credit cannot be used in this major.
Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internships will not be counted towards the major.
Students must earn at least a "C" (2.0) in each core and restricted elective course.
Students must consult with an Interdisciplinary Studies adviser to enter the program.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
No courses can count in more than one subject area or in a subject area and a minor.
Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   None

3. Core Requirements: Basic Level (6 hrs)
   IDS 3933 Cornerstone Experience 3 hrs
   IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level (30 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
   Health
   Humanities
   Letters and Modern Languages
   Physical Sciences
   Life/Biomedical Sciences
   Public Affairs

6. Capstone Requirements
   None

7. Foreign Language Requirements

Admissions
BA: Met by graduation requirement.
BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation
BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
Select primarily from upper level courses, with an Interdisciplinary Studies adviser’s approval.
9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements
- A grade of "C" or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women's Studies Track

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/academiclearningcompacts.html

Interdisciplinary Studies - Environmental Studies Track (B.S.)

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

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.

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 1105C College Algebra 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs
1 may take a higher level math

D: Social Foundations (6 hrs)
   Required SYG 2000 Introduction to Sociology 3 hrs
   Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (11 hrs)
- None

3. Core Requirements: Basic Level (11 hrs)
- Core for Environmental Studies:

   Physical/Mathematical Sciences
   CHM 2045C Chemistry Fundamentals I GEP
   MAC 1105C College Algebra GEP
   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 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (19 hrs)

   Environmental Studies Fundamentals
   IDS 3150 Foundations of Environmental Studies 3 hrs
   ECP 3302 Economics and the Environment 3 hrs
   GIS 3043C GIS for Environmental Studies 3 hrs
   GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
   PUB 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.

BCH 4053  Biochemistry I  3 hrs
BCH 4054  Biochemistry II  3 hrs
BOT 3152C  Local Flora  3 hrs
BOT 3802  Ethnobotany  3 hrs
BOT 4303C  Plant Kingdom  5 hrs
BOT 4713C  Plant Taxonomy  5 hrs
BSC 4312C  Advanced Marine Biology  4 hrs
CHM 3120  Analytical Chemistry  3 hrs
CSE 3008  Oceanography  3 hrs
PCS 3063  Genetics  3 hrs
PCS 3442  Aquatic Ecology  3 hrs
PCS 4683  Evolutionary Biology  4 hrs
PCS 4723  Animal Physiology  4 hrs
PCS 5045  Conservation Biology  4 hrs
PCS 5326C  Ecosystems of Florida  5 hrs

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
INR 4351  International Environmental Law  3 hrs
PAP 3330  Urban and Regional Planning  3 hrs
PAP 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 4031  Environmental Philosophy  3 hrs
PLA 4554  Environmental Law  3 hrs
PUP 3204  Sustainability  3 hrs
PUP 4209  Urban Environmental Policy  3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation

- Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses, with adviser approval

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A grade of “C” or above (2.0) is required for each course taken in the subject areas and core
- Computer Competency is met by completing this major

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Environmental Engineering
- Political Science
- Economics

Certificates

- None

Related Minors

- All minors

Advising Notes

- None

Transfer Notes

- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Interdisciplinary Studies - Women's Studies Track (B.A.)

College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom 1, Room: 302
Program in Women's Studies, Colbourn Hall, Room: 411
http://www.is.ucf.edu
Email: is@ucf.edu
Email: womenst@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 that leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women's Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co-op credit cannot be used in this track.
- Students must earn at least a "C" (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.

Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations  (9 hrs)
   B: Cultural & Historical Foundations  (9 hrs)
   C: Mathematical Foundations  (6 hrs)
   D: Social Foundations  (6 hrs)
   E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)
   None

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level
   None

5. Restricted Electives  (36 hrs)
   Students must complete either the Womanist/Women of Color subject area or the Women’s Studies Cognate subject area to satisfy the First Study Area.
   Students must complete one subject area from those specified in the Second Study Area below.
   Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
   Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color  18 hrs
   Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area
   WST 3460  Women, Race and Struggle  3 hrs
   Select 5:  15 hrs
   AML 3614  Topics in African-American Literature or 3 hrs
   ASH 4304  Women in China or 3 hrs
   AML 3682  Ethnic Literature in America  3 hrs
   Other courses approved by the Interdisciplinary Studies Advising Team

Second Study Area (from those below)  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
   Other courses may be utilized for this area with the permission of the director.

   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 3 hrs
   AML 3682  Ethnic Literature in America 3 hrs
   AML 4261  Literature of the South 3 hrs
   ANT 3212  Peoples of the World 3 hrs
   CCJ 4129  Cultural Diversity in Criminal Justice 3 hrs
   CCJ 4681  Domestic Violence and the Justice System 3 hrs
   ELUH 3242  Modern Europe and the First World War 3 hrs
   HSC 3593  HIV Disease: A Human Concern 3 hrs
   LIN 4643  Cross Cultural Communication 3 hrs
   PEM 2405  Self Defense for Women and Men 3 hrs
   PHI 3640  Environmental Ethics 3 hrs
   PHI 3670  Ethical Theory 3 hrs
   PHI 4300  Theories of Knowledge 3 hrs
   PUP 3314  Minorities in American Politics 3 hrs
   SOP 2772  Sexual Behavior 3 hrs
   SOP 3764  Psychology of Diversity 3 hrs
   SYD 3700  Race and Ethnicity 3 hrs
   SYO 4100  Family Trends 3 hrs
   SYO 4200  Religion in Society 3 hrs
   SYP 3630  Popular Culture in Society or 3 hrs
   SYP 3650  Sports and Society or 3 hrs
   SYP 4732  Minority Aging or 3 hrs
   THE 4230  Cultural Diversity in Theater 3 hrs

Second Study Area (from those below)  18 hrs
   See the Interdisciplinary Studies Advising Teams for details regarding each area: Arts, Behavioral and Social Sciences, Commerce, Communication, Computational Sciences, Education, Engineering, Health, Humanities, Letters and Modern Languages, Life/Biomedical, Physical Sciences, Public Affairs

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:
   CSS 1060C  Introduction to Computers 3 hrs
   STA 1063C  Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF.
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required  120

Hons in Major
None

Related Programs
Interdisciplinary Studies

Certificates
None

Related Minors
Most UCF minors

Advising Notes
None

Transfer Notes
Lower division courses do not substitute for upper division courses.

Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study
None
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/academiclearningcompacts.html

International and Global Studies (B.A.)

College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog
Co-op or internship credit cannot be used in this major without prior departmental approval
Students should consult with a departmental advisor
Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
All prerequisites of courses taught within the College of Sciences will be enforced.
Most courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

Double major or degree policy in Political Science programs and minors:
Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:

POS 2041 American National Government 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)

Required ENC 1101 Composition I 3 hrs
Prefer ENC 1102 Composition II 3 hrs
Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Prefer WOH 2012 World Civilization I 3 hrs
Prefer WOH 2222 World Civilization II 3 hrs
Required One 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
May substitute a higher level math with appropriate scores on the Math Placement Exam.

Statistics: 3 hrs
Prefer STA 2014C Principles of Statistics or 3 hrs
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
May substitute a more advanced STA course. 3 hrs

D: Social Foundations (6 hrs)

Prefer POS 2041 American National Government 3 hrs
Required One course from GEP B.2 list 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
None

3. Core Requirements: Basic Level (6 hrs)

ECO 2013 Principles of Macroeconomics 3 hrs
INR 2002 International Relations-Theory and Practice 3 hrs
POS 2041 American National Government GEP

4. Core Requirements: Advanced Level (15 hrs)

CPO 3103 Comparative Politics 3 hrs
GEO 3471 World Political Geography 3 hrs
INR 4008 Global Perspectives 3 hrs
INR 4603 International Relations Theory 3 hrs
POS 3703 Scope and Methods of Political Science 3 hrs

5. Restricted Electives (18 hrs)
Note: Students must meet all prerequisites before taking these classes.
Other courses may be substituted with departmental approval.

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
POS 4101 Politics of the European Union 3 hrs
POS 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
INR 3250 Politics of Pan-Africanism 3 hrs
INR 3253 International Politics of Africa 3 hrs
INR 4224 Contemporary International Politics of Asia 3 hrs
INR 4243 International Politics of Latin America 3 hrs

Functional 9 hrs
Select from the following listing:

CPO 3057 Contemporary Revolution and Political Violence 3 hrs
CPO 4062 Comparative Judicial Process 3 hrs
CPO 4074 Political Economy 3 hrs
CPO 4754 Comparative Political Institutions 3 hrs
INR 3016 Global Political Issues 3 hrs
INR 4011 Politics of Globalization 3 hrs
INR 4030 Diplomacy 3 hrs
INR 4035 International Political Economy 3 hrs
INR 4054 Global Politics of Energy 3 hrs
INR 4060 Causes of War 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

6. Capstone Requirements
None
UCF Degree Programs

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: For students who excel, a limited number of internships may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in International and Global Studies, provided that no more than 50% of an Area be covered by such credits.

9. Additional Requirements
- None

10. Required Minors
- No more than one course may be used to fulfill both this major 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, Latin American Studies, Spanish, Russian or Modern Language Combination.
- Note: The International Business Minor is only available to Business majors.
- Other minors may be substituted with the program coordinator's approval.
- Aerospace Studies
- Anthropology in Multicultural Studies
- Asian Studies
- Diplomacy
- Diversity and Social Inequality
- Economics
- Economic Policy
- European Studies
- French
- Global Peace and Security Studies
- Human Communication
- International Business
- Italian
- Latin American Area Studies
- Middle Eastern Studies
- Military Science
- Russian Studies
- Spanish
- Terrorism Studies
- World Comparative Studies

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major.
- Complete the Educational Testing Service Field Exam in Political Science during the student's graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- 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 in Multicultural Studies
- Diversity and Social Inequality
- Economics
- European Studies
- Global Peace and Security Studies
- History
- Philosophy
- Psychology
- Sociology
- Terrorism Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- 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.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt
- Prior to enrolling in Math, take Math Placement Test ~
  http://utc.sdes.ucf.edu/math/

Freshman Year - Fall
- POS 2041 American National Government
- ENC 1101 Composition I
- WOH 2012 World Civilization I
- GEP-Math
- Foreign Language

Freshman Year - Spring
- INR 2002 International Relations-Theory and Practice
- WOH 2022 World Civilization II
- ENC 1102 Composition II
- STA 2014C Principles of Statistics
- Foreign Language

Sophomore Year - Fall
- POS 3703 Scope and Methods of Political Science
- GEO 3471 World Political Geography
- ECO 2013 Principles of Macroeconomics
- Foreign Language
- GEP

Sophomore Year - Spring
- CPO 3103 Comparative Politics
- INR 4008 Global Perspectives
- INR 4603 International Relations Theory
- Foreign Language
- GEP

UNIVERSITY OF CENTRAL FLORIDA 240 Undergraduate Catalog 2015-2016
Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Free Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Free Elective 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Free Elective 3 hrs

Senior Year - Spring 13 hrs
Restricted Elective 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Free Elective 3 hrs
Free Elective 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

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

Email: journalism@ucf.edu
Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Journalism program is a limited access program that requires a separate application.
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.5 GPA based on at least 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission because students are admitted on a space available basis.
- See a NSC advisor for additional admission criteria.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Testing Center unless they have AP or IB credit in English or an “A” or better in both of the following courses:
  ENC 1101 Composition I 3 hrs
  ENC 1102 Composition II 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term
- February 1 to be admitted the next summer term
- June 1 to be admitted the next fall term

Degree Requirements
- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
- The Journalism faculty strongly recommend that majors work for a student news outlet.
- Journalism majors may obtain an off-campus internship with a news organization.

To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of three hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- Of the 120 hours required for graduation, 79 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 79 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 79 hour rule, no more than 41 (or 44 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 41 credit hour school maximum.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) 36 hrs
   A: Communication Foundations 9 hrs
   Composition: Complete both courses.
   Required ENC 1101 Composition I and 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Speech: Select one of the following.
   Required SPC 1608 Fundamentals of Oral Communication 3 hrs
   Suggested SPC 1603C Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations 9 hrs
  Group 1: Select a course from group 1.
  Preference AMH 2010 U.S. History: 1492-1877 3 hrs
  Group 2: Select a course from group 2.
  Group 3: Select a course from either group 1 or 2.

C: Mathematical Foundations 6 hrs
  Statistics-Computers:
  Suggested CGS 1060C Introduction to Computers or 3 hrs
  Suggested STA 2014C Principles of Statistics 3 hrs
  Math:
  Suggested MGF 1106 Finite Mathematics or 3 hrs
  Suggested MGF 1107 Explorations in Mathematics 3 hrs
  You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations 6 hrs
  Group 1: 3 hrs
UCF Degree Programs

3. Core Requirements: Basic Level (19 hrs)
- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken along with the following;

Core: Required, satisfies the CPP
SPC 1608 Fundamentals of Oral Communication or GEP/CPP
SPC 1603C Fundamentals of Technical Presentations GEP/CPP

Core 16 hrs
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
- JOU 2100C News Reporting and 3 hrs
- JOU 3004 History of American Journalism and 3 hrs
- MMC 3200 Mass Communication Law and 3 hrs
- JOU 3015 Principles of Journalism and 3 hrs
- RTV 3321 Electronic News Gathering 4 hrs

Select 1: 3 hrs
MMC 2004 Mass Media or 3 hrs
RTV 4403 Electronic Media, Technology, and Society 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- These courses may be completed either before or after acceptance into the program.
- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses.
- Select 1: 3 hrs
MMC 4300 International Media or 3 hrs
Any Nicholson School advisor approved upper-division Study Abroad course

5. Restricted Electives (15 hrs)
- These courses can only be completed after acceptance into the program.
- (NOTE: May NOT use courses in your core track as an elective; students must use a different course if they have already taken one listed as a requirement in their track).
- All prerequisites of courses will be enforced.
- Courses taken from Group A and Group B must total 9 hours.

Electronic News: Select the following: 6 hrs
RTV 3301 Electronic Journalism I 3 hrs
RTV 3304 Electronic Journalism II 3 hrs

Digital News: Select the following: 6 hrs
JOU 3101 Advanced Reporting 3 hrs

Select 1:
JOU 4340C Online Journalism I or 3 hrs
JOU 4342C Multimedia Journalism 3 hrs

Group A: Select from the following: 3-6 hrs
RTV 3301 Electronic Journalism I 3 hrs
RTV 3304 Electronic Journalism II 3 hrs
RTV 4591C Webcasting I 3 hrs
RTV 4681C Television News 4 hrs
JOU 3101 Advanced Reporting 3 hrs
JOU 3130 In-Depth Reporting 3 hrs
JOU 3164C Metro Reporting 3 hrs
JOU 3201 Editing I 3 hrs
JOU 3202 Editing II 3 hrs
JOU 3310 Social Media Writing for Magazines 3 hrs
JOU 3313C Sports Reporting 3 hrs
JOU 3510 Magazine Publishing 3 hrs
JOU 4181 Public Affairs Reporting 3 hrs
JOU 4211C Informational Graphics 3 hrs

Group B: Select from the following: 3-6 hrs
JOU 3301 Journalism Readings 3 hrs
MMC 2004 Mass Media 3 hrs
MMC 3420 Mass Media Research Methods 3 hrs
MMC 3630 Social Media as Mass Communication 3 hrs
MMC 4263 New Media Technologies 3 hrs
MMC 4300 International Media 3 hrs
MMC 4602 Contemporary Media Issues 3 hrs
RTV 4403 Electronic Media, Technology, and Society 3 hrs
RTV 4503 Sports Programming in Electronic Media 3 hrs
RTV 4505 Program Issues for TV & Motion Pictures 3 hrs
RTV 4700 Regulation of Broadcasting 3 hrs
RTV 4800 Broadcast Management 3 hrs
1 JOU 4941 Internship 1 hr

1 May be taken for a maximum of 3 hours
- Internships must be approved in advance by the Journalism Area Coordinator

6. Capstone Requirements (4 hrs)
Electronic News: 4 hrs
RTV 4681C Television News 4 hrs

Digital News: 4 hrs
JOU 4950 Senior Capstone in Journalism 4 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 41 credit hour cap. The majority of electives should be taken in the Liberal Arts and Sciences to comply with the 56 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Area Coordinator.
- The minor must be from outside of the Nicholson School of Communication in order to not exceed the 41 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 a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.
Total Semester Hours Required
- 120
Honors In Major
- None
Related Programs
- None
Certificates
- None
Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Technical Communication
Advising Notes
- It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school advisor before registering for courses.
Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
- None
Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- GEP-Math  3 hrs
- GEP  3 hrs
- Foreign Language  4 hrs
Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs
- GEP-Stat or CS  3 hrs
- Foreign Language  4 hrs
Sophomore Year - Fall
- MMC 2004  Mass Media or  3 hrs
- RTV 4403  Electronic Media, Technology, and Society  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective-Minor  3 hrs
Sophomore Year - Spring
- Apply for admission by Feb 1
- JOU 2100C  News Reporting  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- GEP  3 hrs
- Elective-Minor  3 hrs
Junior Year - Fall
- If admitted, take...
- JOU 3004  History of American Journalism  3 hrs
- MMC 3200  Mass Communication Law  3 hrs
- RTV 3321  Electronic News Gathering  4 hrs
- Elective-Minor  3 hrs
- Elective-take outside of NSC  3 hrs
Junior Year - Spring
- JOU 3015  Principles of Journalism  3 hrs
- MMC 4300  International Media  3 hrs
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Elective-Minor  3 hrs
Junior Year - Summer
- Restricted Elective-Internship  3 hrs
- Elective-take outside of NSC  3 hrs
Senior Year - Fall
- Submit Journalism Portfolio
- Restricted Elective  3 hrs
- Restricted Elective  3 hrs
- Elective-Minor  3 hrs
- Elective-Minor  3 hrs
- Elective-take outside of NSC  3 hrs
Senior Year - Spring
- Capstone  4 hrs
- Elective-take outside of NSC  3 hrs
- Elective-take outside of NSC  2 hrs
- Elective-take outside of NSC  3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/academiclearningcompacts.html
Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term

Latin American Studies (B.A.)
College of Arts and Humanities
Latin American Studies, Colbourn Hall, Room: 122
Dr. Consuelo Stebbins Director, stebbins@ucf.edu
Donna Mercado Senior Admissions Specialist, Donna.Mercado@ucf.edu
Phone: 407-823-1173

Admission Requirements
- None
Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without previous approval by the program director.
- Students must earn at least a “C”(2.0) in each required course.
- Students should consult with the program director or advisor.
- Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
UCF Degree Programs

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer COM 1000 Introduction to Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   Prefer ARH 2051 History of Western Art I 3 hrs
   Select 2 Courses From B.1 Based On Area Selections 6 hrs
   C: Mathematical Foundations (6 hrs)
   Prefer STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
   Select 1:
   Suggested MGF 1106 Finite Mathematics or 3 hrs
   Suggested MGF 1107 Explorations in Mathematics 3 hrs
   D: Social Foundations (6 hrs)
   Prefer POS 2100 American National Government 3 hrs
   Prefer ANT 2000 General Anthropology 3 hrs
   E: Science Foundations (6 hrs)
   Prefer ANT 2511 Human Species 3 hrs
   Select 1 course from E.1 3 hrs
   2. Common Program Prerequisites (CPP)
   □ None
   3. Core Requirements: Basic Level (3 hrs)
   LAS 3002 Topics in Latin American Studies 3 hrs
   4. Core Requirements: Advanced Level (12 hrs)
   GEA 4405 Geography of Latin America 3 hrs
   LAH 3200 Modern Latin America 3 hrs
   LAS 3101 Latin American Popular Culture 3 hrs
   LAS 4023 African Caribbean Experience 3 hrs
   5. Restricted Electives (21 hrs)
   □ Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.
   □ Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.
   □ Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the Program Director.
   Area One: 12 hrs
   Anthropology
   ANT 3160 Americas Before Columbus 3 hrs
   ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
   ANT 3163 Mesoamerican Archaeology 3 hrs
   ANT 3164 Ancient Incas 3 hrs
   ANT 3165 Archaeology of South America 3 hrs
   ANT 3168 Maya Archaeology 3 hrs
   ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs
   History
   LAH 3130 Latin American History I 3 hrs
   LAH 3400 History of Mexico and Central America 3 hrs
   LAH 3470 History of the Caribbean 3 hrs
   LAH 4136 Colonial Florida 3 hrs
   LAH 4512 Modern Argentina 3 hrs
   LAH 4461 History of Puerto Rico 3 hrs
   LAH 4480 History of Cuba 3 hrs
   LAH 4742 The Mexican Revolution 3 hrs
   LAH 4780 Poverty and Development in Latin America 3 hrs

   Spanish and Spanish Literature
   □ Students can choose from the extensive listing of upper level SPN and SPW courses. The student should give preference to those courses related to Latin American culture and civilization. No more than six (6) hours can overlap between the LAS major and the minor.

   Area Two: 9 hrs
   □ (Select no more than 6 credit hours of courses with the same prefix)
   Art History
   ARH 2051 History of Western Art II 3 hrs
   ARH 3670 20th Century Latin American Art 3 hrs
   ARH 3673 Modern Art of Mexico 3 hrs
   ARH 3674 Latin American Popular Visual Culture 3 hrs
   ARH 4653 Meso American Art 3 hrs
   English
   AML 3615 Harlem, Haiti, and Havana 3 hrs
   AML 3682 Ethnic Literature in America 3 hrs
   AML 4630 Latino/Latina Literature 3 hrs
   LIT 3192 Caribbean Literature 3 hrs
   LIT 3381 Women Writers of Color 3 hrs
   LIT 3823 Hispanic Women Writers 3 hrs
   LIT 3368 Magical Realism in Literature 3 hrs
   Humanities
   HUM 3460 Latin American Humanities 3 hrs
   International Relations
   INR 4243 International Politics of Latin America 3 hrs
   INR 4074 Immigration Policy 3 hrs
   INR 4076 Global Drug Policy 3 hrs
   Latin American Studies
   See LAS Advisor for offerings.
   Politics
   CPD 3034 Politics of Developing Areas 3 hrs
   CPD 3103 Comparative Politics 3 hrs
   CPD 4074 Political Economy 3 hrs
   CPD 4794 Indigenous Politics and the Environment 3 hrs
   CPD 4033 Comparative Latin American Politics 3 hrs
   Public Policy
   PUP 3314 Minorities in American Politics 3 hrs
   6. Capstone Requirements
   □ Required Experiential Learning (capstone experience, 0 - 3 hrs):
   □ Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:
   □ 1. A formal study-abroad program on Latin America of at least 45 contact hours equaling three (3) hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three (3) hours of academic Independent Study, and/or Internship credit is available with Program Director’s prior approval.
   □ 2. Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahuahtl, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.
   □ 3. At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.
   7. Foreign Language Requirements
   Admissions
   □ Foreign Language Requirement: (0 -14 hrs)
   □ LAS majors will have a proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.
Graduation
- None

8. Electives
- Variable
- Select primarily from upper level courses after meeting with the program advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Latin American Studies. A second major can satisfy the minor requirement with prior consent of Program Director. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS Program Director or advisor. No more than six (6) hours can overlap between the major and the minor.

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- History
- Political Science
- Modern Language Combination
- Art - History Track
- Interdisciplinary Studies

Certificates
- None

Related Minors
- Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor.

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- ANT 2000 General Anthropology 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Freshman Year - Summer
- Elective 3 hrs
- Elective 3 hrs

Sophomore Year - Fall
- COM 1000 Introduction to Communication 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- GEP Course in Cultural & Historical Foundations from B.1 3 hrs
- GEP Course in Science Foundation 3 hrs

Sophomore Year - Spring
- ARH 2050 History of Western Art I 3 hrs
- GEP Course in Cultural & Historical Foundations From B.1 3 hrs
- GEP Course in Science Foundation 3 hrs
- LAS 3002 Topics in Latin American Studies 3 hrs

Sophomore Year - Summer
- LAS 3955 Study Abroad 1 hr
- Elective 3 hrs

Junior Year - Fall
- GEA 4405 Geography of Latin America 3 hrs
- Two courses from first area of emphasis 6 hrs
- LAS 4023 African Caribbean Experience 3 hrs

Junior Year - Spring
- LAH 3200 Modern Latin America 3 hrs
- One course from first area of emphasis 3 hrs
- One course from second area of emphasis 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs

Junior Year - Summer
- Elective 3 hrs
- Elective 3 hrs

Senior Year - Fall
- One course from first area of emphasis 3 hrs
- One course from second area of emphasis 3 hrs
- Course in Minor 3 hrs
- Course in Minor 3 hrs

Senior Year - Spring
- One course from second area of emphasis 3 hrs
- LAS 4906 Directed Independent Study 1 hr
- Course in Minor 3 hrs
- Course in Minor 3 hrs

Senior Year - Summer
- Elective 3 hrs
- Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Legal Studies (B.A. / B.S.)
College of Health and Public Affairs
Department of Legal Studies,
Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu
Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies. Students must complete a minimum of four face-to-face Legal Studies courses in order to be eligible for Florida Paralegal Certification.

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 College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in section 1 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- 33 hours of PLA coursework must be taken at UCF.
- 2.0 in all PLA work at UCF and overall.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
     Required: ENC 1101 Composition I 3 hrs
     Required: ENC 1102 Composition II 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Core Requirements: Basic Level
- None

3. 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

4. Core Requirements: Supporting Courses (9 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.

5. Restricted Electives (30 hrs)
   Upper Division Restricted Electives (21 hrs)
     - 21 additional hours of Legal Studies coursework selected in consultation with an 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:
  - A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student’s advisor.

6. Capstone Requirements (3 hrs)
- Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
- PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. Students taking American Sign Language (ASL) to satisfy B.A. foreign language requirement must complete three semesters of ASL classes (ASL I, II and III).

8. Electives
- If students chose the following electives, they must complete them with a minimum grade of a “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.
- Second Bachelor’s degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students should consult with their faculty advisor.

Related Programs
- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates
- Public and Professional Writing

Related Minors
- Business
- Criminal Justice
- Crime, Law, and Deviance
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall (14 hrs)
- ENC 1101 Composition I 3 hrs
- GEP Math 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- GEP Social 3 hrs
- GEP Science 3 hrs

Freshman Year - Spring (15 hrs)
- ENC 1102 Composition II 3 hrs
- GEP Math 3 hrs
- Free Elective 3 hrs
- GEP Social 3 hrs
- GEP Cultural 3 hrs
Sophomore Year - Fall  
16 hrs  
GEP Communication  
3 hrs  
Free Elective  
3 hrs  
GEP Science  
3 hrs  
GEP Historical  
3 hrs  
Foreign Language I or BS option  
4 hrs  

Sophomore Year - Spring  
16 hrs  
PLA 3014 Law and the Legal System  
3 hrs  
Free Elective  
3 hrs  
Elective / Minor  
3 hrs  
GEP Historical  
3 hrs  
Foreign Language II or BS option  
4 hrs  

Junior Year - Fall  
15 hrs  
PLA 3108 Legal Research  
3 hrs  
PLA 3205 Civil Practice and Procedure  
3 hrs  
Restricted Elective  
3 hrs  
Elective / Minor  
3 hrs  
Supporting Elective  
3 hrs  
Supporting Elective  
3 hrs  

Junior Year - Spring  
15 hrs  
PLA 3155 Legal Writing  
3 hrs  
Restricted Elective  
3 hrs  
Restricted Elective  
3 hrs  
Supporting Elective  
3 hrs  
Supporting Elective  
3 hrs  

Senior Year - Fall  
15 hrs  
PLA 3615 Property and Real Estate Law  
3 hrs  
PLA 4703 Professional Ethics and Liability  
3 hrs  
Elective / Minor  
3 hrs  
Elective / Minor  
3 hrs  
Internship or Restricted Elective  
3 hrs  

Senior Year - Spring  
15 hrs  
PLA 4935 Capstone: Legal Issues  
3 hrs  
Restricted Elective  
3 hrs  
Elective / Minor  
3 hrs  
Elective / Minor  
3 hrs  
Internship or Restricted Elective  
3 hrs  

Program Academic Learning Compacts  
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oecs.ucf.edu/academiclearningcompacts.html

Management (B.S.B.A.)  
College of Business Administration  
Department of Management,  
Business Administration I, Room: 309  
http://business.ucf.edu/undergraduate-programs  
Phone: 407-823-5569  

The management major combines theory and application, with a focus on problem solving, group projects, and case analysis. The curriculum prepares students for leadership roles in a variety of organizations, including: large and small, public and private, for profit and non-for-profit. The program can also accommodate students who wish to embark on their own entrepreneurial ventures. Students majoring in management should possess strong quantitative skills, enjoy problem solving, and embrace working with people. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements  
Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a “C” (2.0) or better.

Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least “B” (3.0) in MAN 3025, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.

See Common Program Prerequisites

Degree Requirements  
Students who change degree programs and select this major must adopt the most current catalog.

Students wanting to major in Management must apply for admission to the major.

Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.

A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.

Students in the Management major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Management (MAN) and Entrepreneurship (ENT) courses taken at UCF. Students must also maintain a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Management major and/or College of Business.

A student who is dismissed may seek consideration for readmittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

Students must earn a “B” or higher in MAN 3025. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. UCF General Education Program (GEP)  
(36 hrs)  
A: Communication Foundations  
(9 hrs)  
Prefer SPC 1008 Fundamentals of Oral Communication  
3 hrs

B: Cultural & Historical Foundations  
(9 hrs)  
C: Mathematical Foundations  
(6 hrs)  
Required CGS 2100C Computer Fundamentals for Business  
3 hrs

Required MAC 1105C College Algebra  
3 hrs

D: Social Foundations  
(6 hrs)  
Select 1: 3 hrs  
Prefer ECO 2013 Principles of Macroeconomics or  
Prefer ECO 2023 Principles of Microeconomics  
3 hrs

Select 1: 3 hrs

Suggested ANT 2000 General Anthropology or  
3 hrs

Suggested PSY 2012 General Psychology or  
3 hrs

Suggested SYG 2000 Introduction to Sociology  
3 hrs

E: Science Foundations  
(6 hrs)  
2. Common Program Prerequisites (CPP)  
(18 hrs)  
Must be completed with a “C” 2.0 or better  
ACG 2021 Principles of Financial Accounting  
3 hrs

ACG 2071 Principles of Managerial Accounting  
3 hrs

CGS 2100C Computer Fundamentals for Business  
3 hrs

ECO 2013 Principles of Macroeconomics  
3 hrs

ECO 2023 Principles of Microeconomics  
3 hrs

Select one of the following sequences of courses:  
Students who have not completed 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
UCF Degree Programs

Select 3: 9 hrs
Restricted Elective Courses 9 hrs

Total Semester Hours Required

Rule, and nine hours of Summer credit.
CLEP, Credit by Exam, and Armed Forces credits permitted.
completed in residency at UCF.

12. University Minimum Exit Requirements
A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

5. Restricted Electives (12 hrs)
Restricted Elective Courses 9 hrs
Select 3: 9 hrs
GEB 4435  Moral Foundations of Business or 3 hrs
MAN 4209  Designing Dynamic Organizations or 3 hrs
MAN 3301  Strategic Human Resource Management or 3 hrs
MAN 4320  Human Resources Recruitment and Selection or 3 hrs
MAN 4329  Business Analytics in Human Resource Management or 3 hrs
Any MAN or ENT course 3 hrs
Business Elective 3 hrs
Any upper level business course 3 hrs

6. Capstone Requirements (3 hrs)
An approved Intent to Graduate must be on file in order to register for MAN 4720.
MAN 4720  Strategic Management 3 hrs

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None

8. Electives
Variable

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
120
Freshman Year - Spring  15 hrs  
ENC 1102  Composition II  3 hrs  
ECO 2023  Principles of Microeconomics  3 hrs  
Social Foundation  3 hrs  
Elective  3 hrs  
Elective  3 hrs  

Sophomore Year - Fall  15 hrs  
AGC 2021  Principles of Financial Accounting  3 hrs  
SPC 1608  Fundamentals of Oral Communication  3 hrs  
Science  3 hrs  
Historical Foundation I  3 hrs  
Elective  3 hrs  

Sophomore Year - Spring  15 hrs  
AGC 2071  Principles of Managerial Accounting  3 hrs  
ECO 3401  Quantitative Business Tools I  3 hrs  
Historical Foundation II  3 hrs  
Science  3 hrs  
CGS 2100C  Computer Fundamentals for Business  3 hrs  

Junior Year - Fall  16 hrs  
AGC 3173  Accounting for Decision-Makers  3 hrs  
ECO 3411  Quantitative Business Tools II  3 hrs  
MAN 3025  Management of Organizations  3 hrs  
MAR 3023  Marketing  3 hrs  
FIN 3403  Business Finance  3 hrs  
GEB 3003  Career Research & Planning  1 hr  

Junior Year - Spring  15 hrs  
MAN 4240  Organizations: Theory and Behavior  3 hrs  
MAN 4441  Conflict Resolution and Negotiation  3 hrs  
MAN Elective  3 hrs  
GEB 3375  Introduction to International Business  3 hrs  
GEB 3005  Career Search Strategy  1 hr  
Elective  3 hrs  

Senior Year - Fall  16 hrs  
Management Elective  3 hrs  
Business Elective  3 hrs  
BUL 3130  Legal and Ethical Environment of Business  3 hrs  
MAN 4143  Leadership Development  3 hrs  
MAN 4350  Performance Management  3 hrs  
GEB 4223  Business Interviewing Techniques  1 hr  

Senior Year - Spring  13 hrs  
MAN 4046  Teamwork, Collaboration, and Group Dynamics  3 hrs  
MAR 3203  Supply Chain and Operations Management  3 hrs  
MAN 4720  Strategic Management  3 hrs  
Management Elective  3 hrs  
GEB 4004  Executing Your Career Plan  1 hr  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html  

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: 307S  
http://business.ucf.edu/undergraduate-programs  
Phone: 407-823-2108

Students interested in majoring in marketing have two options: the marketing management track or the professional selling track. The marketing management track provides students with the knowledge and skills necessary to excel in entry-level positions in marketing management, product/brand management, or positions in retail, sales, market research, or promotion. The professional selling track prepares students for positions in B-B selling, with the potential to advance into either sales management or marketing management. Not eligible for a double degree with another College of Business Administration major.

Admission Requirements  
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.  
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of at least 3.0, a grade of at least "B" (3.0) in MAR 3023, and no grade below a “C” (2.0). One course may be repeated one time in the next term of enrollment to meet these requirements.  
- See Common Program Prerequisites

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Students wanting to major in Marketing must apply for admission to the major.  
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.  
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.  
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.  
- Students in the Marketing major must maintain a 2.75 or higher cumulative Grade Point Average in all 3000 level or higher Marketing courses and a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term, the student will be dropped as a Marketing major and/or College of Business student. A student who is dropped may seek re-admittance into the College or major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.  
- Students must earn a “B” or higher in MAR 3023. In addition, only grades of “C” (2.0) or higher transfer into the program and students must earn a minimum of “C” (2.0) or higher in all business courses. This includes all courses under requirements 2, 3, 4, 5 and 6 below.

1. UCF General Education Program (GEP)  
   (36 hrs)  
   A: Communication Foundations  
   Prefer SPC 1608 Fundamentals of Oral Communication  
   (9 hrs)  
   B: Cultural & Historical Foundations  
   (9 hrs)  
   C: Mathematical Foundations  
   Required CGS 2100C Computer Fundamentals for Business  
   (6 hrs)  
   Required MAC 1105C College Algebra  
   (3 hrs)  

2. Social Foundations  
   (6 hrs)  
   Select 1:  
   Prefer ECO 2013 Principles of Macroeconomics or  
   (3 hrs)  
   Prefer ECO 2023 Principles of Microeconomics  
   (3 hrs)  
   Select 1:  
   Suggested PSY 2012 General Psychology or  
   (3 hrs)  
   Suggested ANT 2000 General Anthropology or  
   (3 hrs)  
   Suggested SYG 2000 Introduction to Sociology  
   (3 hrs)  

3. 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 2571 Principles of Managerial Accounting 3 hrs
- CGE 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 1 MAC 2233 Concepts of Calculus and 3 hrs
  - or 1 STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (55 hrs)

Primary Core
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

Secondary Core
- GEB 3003 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

Required Courses for Major
Marketing Management Track: Required 24 hrs
- MAR 3615 Marketing Analysis 3 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3613 Marketing Research 3 hrs
- MAR 3721 Digital Media Marketing 3 hrs
- MAR 4832 Product Management 3 hrs
- MAR 4804 Marketing Strategy 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs

Marketing Management Track: Electives 3 hrs
- Select 1: 3 hrs
  - MAR 4841 Services Marketing or 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

OR
Professional Selling Track: Required 27 hrs
- Admission by department approval: Applicants restricted to declared marketing majors or other business majors who meet all GPA requirements for admission to the marketing major. Requires submission of application by May 1. Department faculty committee will select professional selling track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form and in interviews. Must have earned a grade of “B-” (2.75) or higher in the following course to apply:
  - MAR 3391 Professional Selling 3 hrs

Take all of the following:
- MAR 3615 Marketing Analysis 3 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3613 Marketing Research 3 hrs
- MAR 3721 Digital Media Marketing 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs
- MAR 4804 Marketing Strategy 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAR 4413C Strategic Issues in Sales 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements (3 hrs)
- An approved Intent to Graduate must be on file in order to register for MAN 4720.
  - MAN 4720 Strategic Management 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum major GPA of 2.75 and a minimum College of Business GPA of 2.0.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major
- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Chair of the Marketing Department and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements: Students accepted into the Honors in the Major program must complete two honors courses (total of 6 credit hours) as follows:
- Honors In Major Credit Requirements
  - Required Honors Reading Course
    - MAR 4903H Honors Directed Reading I 3 hrs
  - Required Honors Thesis
    - MAR 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- None

Certificates
- Professional Selling and Sales Management

Related Minors
- Marketing

Advising Notes
- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, can take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisite class, and all prerequisites to marketing courses.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
General electives as required to earn 120 credit hours.

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105C College Algebra 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Cultural Foundation I 3 hrs
- Elective 3 hrs
15 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Social Foundation 3 hrs
- Elective 3 hrs
- Elective 3 hrs
15 hrs

#### Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Social Science 3 hrs
- Historical Foundation I 3 hrs
- Elective 3 hrs
15 hrs

#### Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools II 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Historical Foundation II 3 hrs
- Social Science 3 hrs
15 hrs

#### Junior Year - Fall
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- FIN 3430 Business Finance 3 hrs
- GEB 3003 Career Search Strategy 1 hr
16 hrs

#### Junior Year - Spring
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3391 Professional Selling 3 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3615 Marketing Analysis 3 hrs
- GEB 3005 Career Search Strategy 1 hr
- Elective 2 hrs
15 hrs

### Marketing: Marketing Management Track

#### Senior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAR 3613 Marketing Research 3 hrs
- MAR 3721 Digital Media Marketing 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
16 hrs

#### Senior Year - Spring
- MAN 4720 Strategic Management 3 hrs
- MAR 4804 Marketing Strategy 3 hrs
- MAR 4832 Product Management 3 hrs
- Marketing Elective 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr
13 hrs

### Marketing: Professional Selling Track

#### Senior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- MAR 3721 Digital Media Marketing 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs
- MAR 3613 Marketing Research 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
16 hrs

#### Senior Year - Spring
- MAR 4804 Marketing Strategy 3 hrs
- MAR 4413C Strategic Issues in Sales 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- MAN 4720 Strategic Management 3 hrs
- GEB 4004 Executing Your Career Plan 1 hr
13 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www oeas.ucf.edu/academiclearningcompacts.html](http://www oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Mathematics (B.S.)

#### College of Sciences

### Math and Physics, Room: 207

#### Degree Requirements

- None

### Mathematics: Mathematics

#### Admission Requirements

- None

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each course used to satisfy a requirement.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses, except the following, must be either taken from, or approved by, the Department of Mathematics at UCF:
  - MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Ordinary Differential Equations I 3 hrs

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### Mathematics: Mathematics

#### Undergraduate Catalog 2015-2016

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### Mathematics: Mathematics

#### Undergraduate Catalog 2015-2016

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### Mathematics: Mathematics

#### Undergraduate Catalog 2015-2016
UCF Degree Programs

Note: the following courses will not satisfy any Math degree requirements:
- MTG 4212 Modern Geometries 4 hrs
- MHF 4404 History of Mathematics 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
   - (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
   - Some concentrations require particular selections of courses in the GEP program. Please consult the desired concentration listed below.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
   - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
   - Required COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)
1. Depending on concentration, select 3 hrs
   - Required ECO 2023 Principles of Microeconomics or Government 3 hrs
   - Suggested POS 2041 American National Government 3 hrs

2. Select a listed course 3 hrs

E: Science Foundations (8 hrs)
- Check track requirements before selecting.
- Required PHY 2048C Physics for Engineers & Scientists I or PHY 2049C Physics for Engineers & Scientists II 4 hrs
- Suggested BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (15 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutions of certain courses.

- COP 3502C Computer Science I or GEP
- MAC 2311C Calculus with Analytic Geometry I or GEP
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs

- Select from the following: 4 hrs
   - CHM 2045C Chemistry Fundamentals I or GEP
   - CHM 2040 Chemistry Fundamentals IA and GEP
   - CHM 2041 Chemistry Fundamentals IB and GEP
   - or BSC 2010C Biology I or GEP
   - or PHY 2048C Physics for Engineers & Scientists I or GEP

3. Core Requirements: Basic Level (11 hrs)
- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.

Basic Core: Required, satisfies the CPP
- COP 3502C Computer Science I and GEP/CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- MAC 2313 Calculus with Analytic Geometry III and CPP
- MAP 2302 Ordinary Differential Equations I and CPP

Basic Core: Additional requirements 4 hrs
- MAS 3106 Linear Algebra 4 hrs
- and depending on concentration, select either
  - MWF 3302 Logic and Proof in Mathematics 3 hrs
  - or acceptable in Computational Concentration;
  - Introduction to Discrete Structures 3 hrs

Select one Science sequence 4 hrs
- Selection depends on the concentration selected
- Biology: 4 hrs

- Satisfies the General, Economics, and Computational concentrations.

- Required in Mathematical Biology Concentration
  - BSC 2010C Biology I and GEP/CPP
  - BSC 2011C Biology II 4 hrs

- Chemistry: 4 hrs
  - Satisfies the General, Economics, and Computational concentrations.
  - Required in Mathematical Biology Concentration
  - May substitute the two semester equivalent Chemistry courses for the first Chemistry course
  - CHM 2045C Chemistry Fundamentals I and GEP/CPP
  - CHM 2046 Chemistry Fundamentals II and GEP/CPP
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr

- Physics: 4 hrs
  - Satisfies the General, Economics, and Computational concentrations.
  - Required in Mathematical Biology and Engineering Physics Concentration
  - PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
  - PHY 2049C Physics for Engineers & Scientists II 4 hrs

4. Core Requirements: Advanced Level (7 hrs)
- Select 1:
  - MAP 3384 Numerical Methods for Computational Sciences or Applications 4 hrs
  - MAP 4113 Probability, Random Processes and Applications 4 hrs

5. Restricted Electives
- Students must select one of the following five concentrations.

A. General Concentration 18 hrs
- Select any 4000 or 5000 level course offered by the Department of Mathematics
- Select any 4000 or 5000 level course with an MAP or MAT prefix offered by the Department of Mathematics
- Any 4000 or 5000 level course with an MAA, MAD, MAS, or MTG prefix offered by the Department of Mathematics except MTG 4212

B. Applied Mathematics Concentration 22 hrs
Take all of the following: 9 hrs
- MAA 4402 Introduction to Complex Variables and Applications 3 hrs
- MAP 4341 Introduction to Partial Differential Equations and Applications 3 hrs
- MAP 4303 Ordinary Differential Equations II 3 hrs

Select 1: 3 hrs
- 1 MAP 4384 Numerical Methods for Computational Sciences or Applications 4 hrs
- 2 MAP 4113 Probability, Random Processes and Applications 4 hrs

Select 1: 3 hrs
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAP 4484 Mathematical Biology I 3 hrs

Select 1: 3 hrs
- MAP 4227 Advanced Calculus II or 3 hrs
- MAP 4342 Partial Differential Equations II 3 hrs

Select 1: 3 hrs
- MAP 4153 Vector and Tensor Analysis or 3 hrs
- MAP 4371 Numerical Methods for Differential Equations or 3 hrs
- MAD 4203 Introduction to Combinatorics 3 hrs

1 if MAP 4113 taken as part of the core
2 if MAP 4384 taken as part of the core

C. Pure Mathematics Concentration 21 hrs
Take all of the following: 12 hrs
- MAA 4402 Introduction to Complex Variables and Applications 3 hrs
- MAP 4341 Introduction to Partial Differential Equations and Applications 3 hrs
- MAP 4303 Ordinary Differential Equations II 3 hrs
- MAP 4384 Numerical Methods for Computational Sciences or Applications 4 hrs
- MAP 4113 Probability, Random Processes and Applications 4 hrs

Select 1: 3 hrs
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAP 4484 Mathematical Biology I 3 hrs

Select 1: 3 hrs
- MAP 4227 Advanced Calculus II or 3 hrs
- MAP 4342 Partial Differential Equations II 3 hrs
- MAP 4153 Vector and Tensor Analysis or 3 hrs
- MAP 4371 Numerical Methods for Differential Equations or 3 hrs
- MAD 4203 Introduction to Combinatorics 3 hrs

1 if MAP 4113 taken as part of the core
2 if MAP 4384 taken as part of the core
Select 3: 9 hrs
MAD 4203 Introduction to Combinatorics or 3 hrs
MAD 4301 Introduction to Graph Theory or 3 hrs
MAP 4303 Ordinary Differential Equations II or 3 hrs
MAP 4341 Introduction to Partial Differential Equations or 3 hrs
MAS 5145 Advanced Linear Algebra and Matrix Theory or 3 hrs
MMA 5228 Analysis I or 3 hrs
MTG 5256 Differential Geometry or 3 hrs
MAP 4342 Partial Differential Equations II 3 hrs

D. Mathematical Biology Concentration 33 hrs
Students are to have completed these courses 24 hrs in the GEP, CPP, or Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I and</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II and</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I and</td>
</tr>
<tr>
<td>CHM 2046I</td>
<td>Chemistry Fundamentals II and</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory and</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I and</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I and</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
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Take all of the following: 33 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I and</td>
</tr>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II and</td>
</tr>
<tr>
<td>MAP 4484</td>
<td>Mathematical Biology I and</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I and</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
</tr>
<tr>
<td>MAP 4384</td>
<td>Numerical Methods for Computational Applications</td>
</tr>
</tbody>
</table>

1 Only if MAP 4313 taken as part of the core.

E. Mathematical Economics Concentration 36 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>ECO 2023</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 3010</td>
<td>Intermediate Macroeconomics</td>
</tr>
<tr>
<td>ECO 3410</td>
<td>Mathematical Economics and</td>
</tr>
<tr>
<td>ECO 4412</td>
<td>Econometrics and</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I and</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
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Select 3: 9 hrs

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<tbody>
<tr>
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<td>International Microeconomics</td>
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<tr>
<td>ECO 4504</td>
<td>Public Economics</td>
</tr>
<tr>
<td>ECO 4713</td>
<td>International Macroeconomics</td>
</tr>
<tr>
<td>ECP 4303</td>
<td>Environmental and Natural Resource Economies or</td>
</tr>
<tr>
<td>ECP 4403</td>
<td>Industrial Organization and Game Theory or</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
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Select 1: 3 hrs

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>MAP 4113</td>
<td>Probability, Random Processes and Applications or</td>
</tr>
<tr>
<td>MAP 4384</td>
<td>Numerical Methods for Computational Sciences or</td>
</tr>
<tr>
<td>MAP 4171</td>
<td>Optimization or</td>
</tr>
<tr>
<td>MAP 4303</td>
<td>Ordinary Differential Equations II or</td>
</tr>
<tr>
<td>MAP 4341</td>
<td>Introduction to Partial Differential Equations or</td>
</tr>
<tr>
<td>MAP 4371</td>
<td>Numerical Methods for Differential Equations</td>
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Select 1: 3 hrs

<table>
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<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>MAA 4402</td>
<td>Introduction to Complex Variables or</td>
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<tr>
<td>MAD 4203</td>
<td>Introduction to Combinatorics or</td>
</tr>
<tr>
<td>MAD 4301</td>
<td>Introduction to Graph Theory</td>
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</table>

1 Only if MAP 4313 taken as part of the core.
2 Only if MAP 4313 taken as part of the core.

F. Computational Concentration 39 hrs
Students are to have completed this course in the GEP, CPP, or Core Requirements

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<td>Computer Science I</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
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<tr>
<td>MAP 4303</td>
<td>Ordinary Differential Equations II and</td>
</tr>
<tr>
<td>MAP 4341</td>
<td>Introduction to Partial Differential Equations</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I and</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I and</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
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Select 1: 3 hrs

<table>
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<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>COP 4310</td>
<td>Mathematical Modeling I or</td>
</tr>
<tr>
<td>COP 4313</td>
<td>Vector and Tensor Analysis or</td>
</tr>
<tr>
<td>MAP 4171</td>
<td>Optimization</td>
</tr>
<tr>
<td>MAA 4402</td>
<td>Introduction to Complex Variables or</td>
</tr>
<tr>
<td>MAD 4203</td>
<td>Introduction to Combinatorics or</td>
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<td>MAD 4301</td>
<td>Introduction to Graph Theory</td>
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Select from the following: 18 hrs

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<tr>
<td>COP 3402</td>
<td>Systems Software or</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages I or</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development or</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems or</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures II or</td>
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<td>EEL 4768</td>
<td>Computer Architecture</td>
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Select 1: 3 hrs

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<th>Course Code</th>
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<tbody>
<tr>
<td>ECO 2023</td>
<td>Principles of Macroeconomics</td>
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<tr>
<td>ECO 4504</td>
<td>Public Economics</td>
</tr>
<tr>
<td>EGO 4713</td>
<td>International Macroeconomics</td>
</tr>
<tr>
<td>ECP 4303</td>
<td>Environmental and Natural Resource Economies or</td>
</tr>
<tr>
<td>ECP 4403</td>
<td>Industrial Organization and Game Theory or</td>
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Select at least 6 hours: 6 hrs

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ECS 2002</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
</tr>
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</table>

1 Only if MAP 4313 taken as part of the core.

G. Engineering/Physics Concentration 42 hrs
Students are to have completed the following to satisfy the GEP, CPP, or Core Requirements

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
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<td>Physics for Engineers &amp; Scientists I or</td>
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<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
</tr>
<tr>
<td>EGR 3210</td>
<td>Engineering Analysis and</td>
</tr>
<tr>
<td>MAA 4402</td>
<td>Introduction to Complex Variables and</td>
</tr>
<tr>
<td>MAP 4103</td>
<td>Mathematical Modeling I and</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III and</td>
</tr>
<tr>
<td>MAP 4303</td>
<td>Ordinary Differential Equations II and</td>
</tr>
<tr>
<td>MAP 4341</td>
<td>Introduction to Partial Differential Equations</td>
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<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
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<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
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Select 1: 3 hrs

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<tr>
<td>EGR 3420</td>
<td>Engineering Analysis or</td>
</tr>
<tr>
<td>MAP 4371</td>
<td>Numerical Methods for Differential Equations or</td>
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<tr>
<td>EGR 3433</td>
<td>Thermodynamics or</td>
</tr>
<tr>
<td>EGR 3358</td>
<td>Thermo-Fluids-Heat Transfer or</td>
</tr>
<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics or</td>
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<td>PHZ 3151</td>
<td>Computer Methods in Physics</td>
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Select 1: 3 hrs

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<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>EGR 3410</td>
<td>Engineering Analysis-Statics or</td>
</tr>
<tr>
<td>PHY 3520</td>
<td>Mechanics I</td>
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Select 1: 3 hrs

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>EGR 3343</td>
<td>Thermodynamics or</td>
</tr>
<tr>
<td>EGR 3358</td>
<td>Thermo-Fluids-Heat Transfer or</td>
</tr>
<tr>
<td>PHY 3513</td>
<td>Thermal and Statistical Physics or</td>
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Select at least 6 hours: 6 hrs

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<th>Course Code</th>
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<tbody>
<tr>
<td>CES 4100C</td>
<td>Structural Analysis I and Lab or</td>
</tr>
<tr>
<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics or</td>
</tr>
<tr>
<td>EEL 304C</td>
<td>Electrical Networks or</td>
</tr>
<tr>
<td>EGR 3601</td>
<td>Solid Mechanics or</td>
</tr>
<tr>
<td>EGR 3331</td>
<td>Mechanics of Materials or</td>
</tr>
<tr>
<td>EIN 2002</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
</tr>
</tbody>
</table>

1 Only if MAP 4313 taken as part of the core.
UCF Degree Programs

EML 4220 Vibration Analysis or 3 hrs
ESI 4312 Operations Research or 3 hrs
PHY 4604 Wave Mechanics I or 3 hrs
PHY 4605 Wave Mechanics II 3 hrs

Select at least 6 hours: 6 hrs
CWR 3201 Engineering Fluid Mechanics or 3 hrs
EAS 4105 Flight Mechanics or 3 hrs
EAS 4200 Analysis & Design of Aerospace Structures or 3 hrs
EAS 4400 Spacecraft Attitude Dynamics or 3 hrs
EAS 4505 Orbital Mechanics or 3 hrs
EEE 3342 Digital Systems or 3 hrs
EGN 3365 Structure and Properties of Materials or 3 hrs
EGN 3613 Engineering Economic Analysis or 2 hrs
EEL 3470 Electromagnetic Fields or 3 hrs
EEL 3552C Analog and Digital Communication 4 hrs
EEL 3657 Linear Control Systems or 3 hrs
EEL 3801C Computer Organization or 3 hrs
EEL 4742C Embedded Systems or 4 hrs
EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
EEL 4832 Engineering Applications of Computer Methods or 3 hrs
EMA 4223 Fundamentals of Mechanical Behavior of Materials or 3 hrs
EML 3262 Kinematics of Mechanisms or 3 hrs
EML 3701 Fluid Mechanics I or 3 hrs
EML 4142 Heat Transfer or 3 hrs
EML 4312C Feedback Control or 3 hrs
EML 4703 Fluid Mechanics II or 3 hrs
ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
ESI 4234 Quality Engineering or 3 hrs
ESI 4523 Systems Simulation or 3 hrs
PHY 3323 Electricity and Magnetism I or 3 hrs
PHY 4324 Electricity and Magnetism II or 3 hrs
STA 4321 Statistical Theory I or 3 hrs
STA 4322 Statistical Theory II 3 hrs

Select 1: 3 hrs
MAD 4203 Introduction to Combinatorics or 3 hrs
MAD 4301 Introduction to Graph Theory 3 hrs

1 Only if MAP 4113 taken as part of the core.

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each course used to satisfy the degree program.
    - Participate in an exit interview.
    - Fulfill Exit Examination requirement.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Aerospace Engineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Electrical Engineering
- Industrial Engineering
- Mathematics Education
- Mechanical Engineering
- Physics
- Statistics

Certificates
- Educational Studies

Related Minors
- Actuarial Science
- Bioengineering
- Biology
- Biomedical Sciences
- Chemistry
- Computer Science
- Economics
- Education
- Environmental Studies
- Information Technology
- Mathematics
- Mathematics Education
- Physics
- Statistics
- Technological Entrepreneurship

Advising Notes
- Students with adequate preparation can consult with the department undergraduate advisor on substituting graduate classes for departmental electives.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
  - Laboratory Science: may use any GLY, PHY, CHM or BSC course with a lab designed for science majors; however, the biology, chemistry and physics classes are core requirements and still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test ~http://utc.sdes.ucf.edu/math/

UNIVERSITY OF CENTRAL FLORIDA
The Mathematics Education B.S. program offers students the option of two tracks: Mathematics Education - Education Track and Mathematics Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in education courses. The Lifelong Learning Track is appropriate for students seeking opportunities outside formal, K-12 schools that do not require certification.

### Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

### Degree Requirements
- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

#### 1. UCF General Education Program (GEP) (37 hrs)
- Students are advised to take the preferred courses.
- A: Communication Foundations (9 hrs)
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
- B: Cultural & Historical Foundations (9 hrs)
  - General Education Program elective from section B1 to meet Gordon Rule Requirement
- C: Mathematical Foundations (7 hrs)
  - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - Required STA 2023 Statistical Methods I 3 hrs
- D: Social Foundations (6 hrs)
  - Prefer POS 2041 American National Government 3 hrs
  - Prefer PSY 2012 General Psychology 3 hrs
- E: Science Foundations (6 hrs)
  - Prefer PHY 2048C Physics for Engineers & Scientists I 4 hrs

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

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**Mathematics Education (B.S.)**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**

[http://education.ucf.edu/mathed](http://education.ucf.edu/mathed)

Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu, 407-823-4336

Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Mathematics Education B.S. program offers students the option of two tracks: Mathematics Education - Education Track and Mathematics Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in education courses. The Lifelong Learning Track is appropriate for students seeking opportunities outside formal, K-12 schools that do not require certification. The Lifelong Learning Track is appropriate for students
3. Core Requirements: Basic Level (6 hrs)

- Education Track requires 6 semester hours
- Lifelong Learning Track requires 9 semester hours
- Students should consult advisor regarding course options.

Education Track 6 hrs

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311C Calculus with Analytic Geometry I GEP
- STA 2023 Statistical Methods I GEP
- MAC 2312 Calculus with Analytic Geometry II CPP
- MAC 2313 Calculus with Analytic Geometry III CPP
- MAP 2302 Ordinary Differential Equations I 3 hrs

Lifelong Learning Track 9 hrs

- MAC 2311C Calculus with Analytic Geometry I GEP
- STA 2023 Statistical Methods I GEP
- MAC 2312 Calculus with Analytic Geometry II CPP
- MAC 2313 Calculus with Analytic Geometry III CPP
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MHS 2330 Career Planning 3 hrs

Select 1:

- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (57 hrs)

- Education Track requires 60 semester hours
- Lifelong Learning Track requires 57 semester hours

Education Core Requirements 18 hrs

- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

Education Core Requirements

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 through 3 hrs

Lifelong Learning Track: 3 hrs

- MAE 4634 Programs in Teaching of Mathematics 3 hrs

Education Track Specialization Requirements 23 hrs

- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3203 Introduction to Number Theory 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- MHF 4404 History of Mathematics 3 hrs
- MTG 4212 Modern Geometries 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs

Internship I Block 7 hrs

- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience.html.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
- MAE 4940 Internship 3 hrs

Lifelong Learning Track Specialization 36 hrs

- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

University of Central Florida
5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator's Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 13 hrs
ENC 1101 Composition I 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
PSC 1121 Physical Science 3 hrs
GEP B1 Elective 3 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
SPC 1608 Fundamentals of Oral Communication 4 hrs
GEP B3 Elective (Prefer course from section B1) 3 hrs

Select 1: 3 hrs
ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer 10 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PSY 2012 General Psychology 3 hrs

Select 1: 3 hrs
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey or 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
EDF 2005 Introduction to the Teaching Profession 3 hrs
MAP 2302 Ordinary Differential Equations I 3 hrs
POS 2041 American National Government 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 16 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs

Education Track 10 hrs
MAS 3105 Matrix and Linear Algebra and 4 hrs
MAS 3203 Introduction to Number Theory and 3 hrs
EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track 7 hrs
MHS 2330 Career Planning and 3 hrs
Choose Lifelong Learning Specialization course 4 hrs

Select 1: 3 hrs
EDF 2130 Child and Adolescent Development for Educators or 3 hrs
EDP 2270 Adult Development & Learning 3 hrs

Junior Year - Fall 13 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Junior Year - Spring 12 hrs
MAE 4634 Programs in Teaching of Mathematics 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Choose Lifelong Learning Specialization course 3 hrs

Education Track 4 hrs
MTG 4212 Modern Geometries 4 hrs

Lifelong Learning Track 4 hrs
Choose Lifelong Learning Specialization course 4 hrs

Junior Year - Spring 12 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
MAE 4634 Programs in Teaching of Mathematics 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Choose Lifelong Learning Specialization course 3 hrs

Education Track 3 hrs
STA 4163 Statistical Methods II 3 hrs

Lifelong Learning Track 3 hrs
Choose Lifelong Learning Specialization course 3 hrs

Senior Year - Fall 13 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Education Track 10 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs
MHS 4404 History of Mathematics 3 hrs
MAE 3940 Internship 3 hrs

Lifelong Learning Track 10 hrs
Choose Lifelong Learning Specialization course 10 hrs

Senior Year - Spring 12 hrs
MAE 4940 Internship 12 hrs

Education Track 12 hrs
MAE 4941 Internship 12 hrs

Lifelong Learning Track 12 hrs
Choose Lifelong Learning Specialization courses 12 hrs
Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Mechanical Engineering (B.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering I, Room: 381
http://www.mae.ucf.edu

Email: mmaeugrad@ucf.edu
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014
Lynn Grabenhorst, Lynn.Grabenhorst@ucf.edu, 407-823-5448
Phone: 407-823-5448

Admission Requirements

- Students wanting to declare a major in an engineering discipline must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 2045C or CHS 1440.
- Students wanting to declare a major in an engineering discipline must complete a change of major in the term of completion of the final pending prerequisite course(s) listed above.

Degree Requirements

- Students in the Mechanical Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Mechanical Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.
- Students in the Mechanical Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs

Select 1: 3 hrs

Preferred SPC 1603 Fundamentals of Technical Presentations or
Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Preferred ECO 2013 Principles of Macroeconomics or 3 hrs
Preferred ECO 2023 Principles of Microeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Select one of the following sequences of courses:

- Preferred course

  CHS 1440 Principles of Chemistry 4 hrs

- First alternative: Select all of the following: 6 hrs

  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB 3 hrs

- Second alternative

  CHM 2045C Chemistry Fundamentals I 4 hrs

1 A “C” (2.0) or better is required in this course.
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.
   EGS 1006C  Introduction to the Engineering Profession  1 hr
   EGN 1007C  Engineering Concepts and Methods  1 hr

4. Core Requirements: Advanced Level (63 hrs)
   Required Courses: Advanced 36 hrs
   EGN 3310  Engineering Analysis-Statics  3 hrs
   EGN 3343  Thermodynamics  3 hrs
   EGN 3365  Structure and Properties of Materials  3 hrs
   EGN 3373  Principles of Electrical Engineering  3 hrs
   STA 3032  Probability and Statistics for Engineers  GEP
   EML 3034C  Modeling Methods in Mechanical and Aerospace Engineering  3 hrs
   EML 3303C  Mechanical Engineering Measurements  3 hrs
   EGM 3601  Solid Mechanics  3 hrs
   EML 3701  Fluid Mechanics I  3 hrs
   EML 4142  Heat Transfer I  3 hrs
   EML 4317  Engineering Mechanics - Dynamics  3 hrs
   EML 4225  Introduction to Vibrations and Controls  3 hrs
   EML 3500  Design and Analysis of Machine Components  3 hrs

   Select 2 of the Following:  6 hrs
   EML 3101  Thermodynamics of Mechanical Systems or 3 hrs
   EML 4143  Heat Transfer II or 3 hrs
   EML 4313  Intermediate System Dynamics and Controls or 3 hrs
   EML 4703  Fluid Mechanics II or 3 hrs
   EML 4504  Design & Analysis of Machine Components II  3 hrs

5. Restricted Electives
   Approved Electives 18 hrs
   • Technical electives are available in the BSME program to address specific student interests in a variety of technical
     areas. Students should consult with their Department for a list of approved technical electives and the terms
     when specific courses of this type are offered.

6. Capstone Requirements (6 hrs)
   • These courses are capstone experience to your engineering program and should be completed in your last 2
     major semesters of study.
   EML 4501C  Engineering Design I  3 hrs
   EML 4502C  Engineering 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
    • None

12. University Minimum Exit Requirements
    • A 2.0 UCF GPA
    • 60 semester hours earned after CLEP awarded
    • 48 semester hours of upper division credit completed
    • 30 of the last 39 hours of course work must be completed in residency at UCF.

    • A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    • Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   Total Semester Hours Required
   128

   Honors In Major
   • None

   Related Programs
   • Aerospace Engineering

   Certificates
   • None

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

   Advising Notes
   • Double Degree/Double Major requirements listed under the college section of the catalog.

   Career and Academic Advising
   • The department requires all students in the program meet with a faculty member for advising on career and
     academic issues. These courses must be taken in sequence during the 3rd and 4th year.
     EML 3990  Mechanical Career and Academic Faculty  0 hrs
     EML 4991  Mechanical Career and Academic Faculty  0 hrs

   Transfer Notes
   • EGS 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these
     courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
   • Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting
     information with his/her petition for this evaluation.

   Acceptable Substitutes for Transfer Courses
   • None

   Plan of Study (128 hrs)
   • Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those
     students who plan on completing their degree in four years.
   • All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

   Freshman Year - Fall 12 hrs
   EGS 1006C  Introduction to the Engineering Profession  1 hr
   ENC 1101  Composition I  3 hrs
   MAC 2311C  Calculus with Analytic Geometry I  4 hrs
   Select 1:  4 hrs
   CHS 1440  Principles of Chemistry or 4 hrs
   CHM 2045C  Chemistry Fundamentals I or 4 hrs
   1CHM 2040  Chemistry Fundamentals IA  3 hrs
   1 Must take CHM 2041 to complete the sequence

   Freshman Year - Spring 15 hrs
   ENC 1102  Composition II  3 hrs
   MAC 2312  Calculus with Analytic Geometry II  4 hrs
   PHY 2048C  Physics for Engineers & Scientists I  4 hrs
   GEP  3 hrs

   Freshman Year - Summer 10 hrs
   MAC 2313  Calculus with Analytic Geometry III  4 hrs
   GEP  3 hrs
   EGN 3365  Structure and Properties of Materials  3 hrs

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

   Sophomore Year - Spring 12 hrs
   EGN 3343  Thermodynamics  3 hrs
   EGM 3601  Solid Mechanics  3 hrs
   EGN 3373  Principles of Electrical Engineering  3 hrs
   EML 3217  Engineering Mechanics - Dynamics  3 hrs
UCF Degree Programs

Sophomore Year - Summer

- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall

- EML 3701 Fluid Mechanics I 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- GEP 3 hrs
- EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
- EML 3500 Design and Analysis of Machine Components 3 hrs

Junior Year - Spring

- EML 4142 Heat Transfer 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- GEP 3 hrs

Senior Year - Fall

- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs
- EML 4501C Engineering Design I 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs

Junior Year - Spring

- EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
- EML 4143 Heat Transfer II or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls or 3 hrs
- EML 4703 Fluid Mechanics II or 3 hrs
- EML 4504 Design & Analysis of Machine Components II 3 hrs

Senior Year - Spring

- EML 4502C Engineering Design II 3 hrs
- Upper Division Elective 3 hrs
- Upper Division Elective 3 hrs

Select 2

- EML 4301C Mechanical Systems Lab or 3 hrs
- EML 4306C Energy Systems Lab 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  
  [http://www.oes.ucf.edu/academiclearningcompacts.html](http://www.oes.ucf.edu/academiclearningcompacts.html)

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. Griffith Parks, Director

Dorilyn Hitchcock, Program Director

Phone: 407-823-5932

Admission Requirements

- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.

- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of “C” (2.0).

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System institution, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainee license are required.

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

   **A: Communication Foundations (9 hrs)**

   **B: Cultural & Historical Foundations (9 hrs)**

   **C: Mathematical Foundations (6 hrs)**

   Prefer MAC 1105C College Algebra 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

   Required CHM 2045 Chemistry Fundamentals I 4 hrs

   **2. Common Program Prerequisites (CPP) (25 hrs)**

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   Required BSC 2010C Biology I GEP

   STA 2023 Statistical Methods I GEP

   ZOO 3733C Human Anatomy 4 hrs

   **1. MCB 3020C General Microbiology 5 hrs**

   **1. PCB 3703C Human Physiology 4 hrs**

   **Take all of the following: 4 hrs**

   CHM 2045C Chemistry Fundamentals I and GEP

   CHM 2046 Chemistry Fundamentals II and 3 hrs

   CHM 2046L Chemistry Fundamentals Laboratory 1 hr

   **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

1 See Transfer Notes

3. **Core Requirements: Basic Level**

   **None**

4. **Core Requirements: Advanced Level (64 hrs)**

   **M: Science (36 hrs)**

   **ML: Medical Laboratory Sciences (28 hrs)**

   MLS 3200C Techniques in Clinical Microscopy 3 hrs

   MLS 4625 Advanced Clinical Chemistry I 3 hrs

   MLS 4630 Advanced Clinical Chemistry II 3 hrs

   PCB 3233 Immunology 3 hrs

   MLS 4430C Clinical Parasitology 3 hrs

   MLS 3305 Hematology 3 hrs

   MLS 4505C Immunodiagnostics 3 hrs
5. Restricted Electives

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Students must earn a grade of "C" (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

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 complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

126

Honors In Major

- None

Related Programs

- Biomedical Sciences
- Biology
- Chemistry

Certificates

- None

Related Minors

- Biomedical Sciences
- Biology
- Chemistry

Advising Notes

- None

Transfer Notes

- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses

- Human Anatomy and Physiology I and II (BSC 2093/BSC 2094) - 8 hrs
- MCB 2020C General Microbiology - 5 hrs

Plan of Study

Freshman Year - Fall
- MAC 2208 College Algebra - 3 hrs

Sophomore Year - Fall
- CHM 2046 Chemistry Fundamentals II - 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory - 1 hr
- GEP - 6 hrs

Sophomore Year - Spring
- CHM 2211 Organic Chemistry II - 3 hrs
- CHM 2211L Organic Laboratory Techniques I - 2 hrs
- MCB 3020C General Microbiology - 5 hrs
- PCB 3703C Human Physiology - 4 hrs
- GEP - 9 hrs

Junior Year - Fall
- MLS 3220C Techniques in Clinical Microscopy - 3 hrs
- MLS 4625 Advanced Clinical Chemistry I - 3 hrs
- MLS 4625L Advanced Clinical Chem I Lab - 1 hr
- PCB 3233 Immunology - 3 hrs
- PCB 3233L Immunology Laboratory - 1 hr
- MLS 4430C Clinical Parasitology - 3 hrs

Junior Year - Spring
- MLS 3305 Hematology - 3 hrs
- MLS 3305L Hematology Lab - 1 hr
- MLS 4630 Advanced Clinical Chemistry II - 3 hrs
- MLS 4460L Clinical Pathogenic Microbiology Lab - 1 hr

Junior Year - Summer
- MLS 4334 Hemostasis - 3 hrs
- MLS 4550 Clinical Immunohematology - 4 hrs

Senior Year - Fall
- MLS 4830 Interpretive & Practical Clinical Chemistry - 4 hrs
- MLS 4831L Interpretive & Practical Immunohematology - 4 hrs
- MLS 4832L Interpretive & Practical Hematology - 4 hrs
- MLS 4833L Diagnostic Microbiology - 4 hrs
- MLS 4933 Medical Technology Seminar - 2 hrs

Senior Year - Spring
- MLS 4910 Introduction to Clinical Research - 1 hr
- MAC 2005C Immunodiagnostics - 3 hrs
- MLS 4933 Medical Technology Seminar - 2 hrs
- MLS 3705 Concepts in Education/Management - 3 hrs
- BSC 3403C Quantitative Biological Methods - 4 hrs

Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/academiclearningcompacts.html
Music (B.A.)
College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu
Email: ucfmusic@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements
- Each student must complete an audition that demonstrates satisfactory performance proficiency.
- The audition will serve as a placement examination for accepted candidates.

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://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 I 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.1 or B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Math 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs
- Suggested MGF 1106 Finite Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Exam 3 hrs

Statistics-Computers (3 hrs)
- Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (28 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 1111 Class Piano I 1 hr
MVK 1112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr
MUN XXXX Ensembles 4 hrs
MVX XXXX Performance 4 hrs

3. Core Requirements: Basic Level (6 hrs)
- MUS 1010 Music Forum 0 hrs
- MUL 2104 Introduction to Music History and Literature 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
- MUH 3211 Music History and Literature I 3 hrs
- MUH 3212 Music History and Literature II GEP

5. Restricted Electives (33 hrs)

Restricted Electives-Music 15 hrs
- Choose from any MUX 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
- Choose one MUT 3XXX or MUT 4XXX course 3 hrs

Restricted Electives-Non-Music 18 hrs
- Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
- MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper-level courses.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
### Equipment Fees

- 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**
  - ENC 1102 Composition II: 3 hrs
  - MUT 1121 Music Theory and Musicianship I: 4 hrs
  - MVK 1112 Class Piano II: 1 hr
  - MUS 1010 Music Forum: 0 hrs
  - MUL 2014 Introduction to Music History and Literature: 3 hrs
  - MUN XXXX Ensemble: 1 hr
  - MUX 141X Performance I: 2 hrs
  - GEP E.1. Science Foundation: 3 hrs

#### Freshman Year - Spring

- **14 hrs**
  - ENC 1102 Composition II: 3 hrs
  - MUT 1122 Music Theory and Musicianship II: 4 hrs
  - MVK 1112 Class Piano II: 1 hr
  - MUS 1010 Music Forum: 0 hrs
  - MUX 3/4XXX Music Restricted Elective: 3 hrs
  - MVX 141X Performance I: 2 hrs

#### Sophomore Year - Fall

- **16 hrs**
  - SPC 1608 Fundamentals of Oral Communication: 3 hrs
  - MUT 2126 Music Theory and Musicianship III: 4 hrs
  - MVK 2121 Class Piano III: 1 hr
  - STA 1063C Basic Statistics Using Microsoft Excel: 3 hrs
  - MUS 1010 Music Forum: 0 hrs
  - MUN XXXX Ensemble: 1 hr
  - Foreign Language Elementary Level I: 4 hrs

#### Sophomore Year - Spring

- **16 hrs**
  - MUT 2127 Music Theory and Musicianship IV: 4 hrs
  - MVK 2122 Class Piano IV: 1 hr
  - MUS 1010 Music Forum: 0 hrs
  - MGF 1106 Finite Mathematics: 3 hrs
  - MUX 3/4XXX Music Restricted Elective: 3 hrs
  - GEP B.1. Cultural & Historical Foundation: 3 hrs
  - Foreign Language Elementary Level II: 4 hrs

#### Junior Year - Fall

- **15 hrs**
  - MUH 3211 Music History and Literature I: 3 hrs
  - GEP B.2. Cultural & Historical Foundation: 3 hrs
  - MUT 3/4XXX Music Restricted Elective: 3 hrs
  - MUX 3/4XXX Music Restricted Elective: 3 hrs
  - XXX 3/4XXX Non-Music Restricted Elective: 3 hrs

#### Junior Year - Spring

- **15 hrs**
  - MUH 3212 Music History and Literature II: 3 hrs
  - Elective: 3 hrs
  - MUX 3/4XXX Music Restricted Elective: 3 hrs
  - MUX 3/4XXX Music Restricted Elective: 3 hrs
  - XXX 3/4XXX Non-Music Restricted Elective: 3 hrs

#### Senior Year - Fall

- **15 hrs**
  - GEP D.1. Social Foundation: 3 hrs
  - XXX 3/4XXX Non-Music Restricted Elective: 3 hrs
  - MUX 3/4XXX Music Restricted Elective: 3 hrs
  - GEP E.2. Science Foundation: 3 hrs
  - XXX 3/4XXX Non-Music Restricted Elective: 3 hrs

#### Senior Year - Spring

- **12 hrs**
  - 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.ceas.ucf.edu/academiclearningcompacts.html](http://www.ceas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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### Acceptable Substitutes for Transfer Courses

- None

## Degree Requirements

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

#### (See General Education program for detailed information)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

#### A: Communication Foundations

- Prefer SPC 1608 Fundamentals of Oral Communication: 3 hrs

#### B: Cultural & Historical Foundations

- Required MUT 2127 Music Theory and Musicianship IV: 4 hrs
- Required MUT 3/4XXX Music Restricted Elective: 3 hrs
- Required MUX 3/4XXX Music Restricted Elective: 3 hrs
- Required XXX 3/4XXX Non-Music Restricted Elective: 3 hrs

#### C: Mathematical Foundations

- MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics: 3 hrs

### Admission Requirements

#### Audition Requirements for Admission

- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to [http://music.cah.ucf.edu/admissions.php](http://music.cah.ucf.edu/admissions.php) to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
- The audition will serve as a placement examination for accepted candidates.

#### Professional Sequence Entrance Review

- During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance level III
  - Completion of GEP C: Mathematical Foundations

#### 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/](http://music.ucf.edu/) to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

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### Contact Information

- Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968
- J. Rupert, JeffRupert@ucf.edu, 407-823-5411

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**UNIVERSITY OF CENTRAL FLORIDA**

**Undergraduate Catalog 2015-2016**

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**UCF Degree Programs**

**College of Arts and Humanities**

**Department of Music,**

**Performing Arts Center - Music, Room: M203**

[http://music.cah.ucf.edu](http://music.cah.ucf.edu)

**Email:** musicaud@ucf.edu

J. Rupert, JeffRupert@ucf.edu, 407-823-5411

Kirk Gay, Kirk.Gay@ucf.edu, 407-823-5968
### UCF Degree Programs

#### Statistics - Computers
- Select a course from GEP C.2 list
  - 3 hrs

#### D: Social Foundations
- (6 hrs)

#### E: Science Foundations
- (6 hrs)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUT 1121</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 1122</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 2126</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 2127</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Specialty Requirements (Choose one)
- (27 hrs)
- **Select primarily from upper level courses. May be completed in residency at UCF.**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 2360C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>GEP</td>
</tr>
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</table>

#### 3. Core Requirements: Basic Level
- (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2014</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 2360C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUL 2016</td>
<td>GEP</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level
- (54 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 3170</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3171</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3923</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3420</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 4814</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3953</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 4954</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:
- (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUH 3211</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 3212</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives
- **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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions</td>
<td>None</td>
</tr>
<tr>
<td>11. Departmental Exit Requirements</td>
<td>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</td>
</tr>
</tbody>
</table>

#### 12. University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in residency at UCF.**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.**
- **Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.**

### Total Semester Hours Required
- **120**
  - Honors In Major
  - None

### Related Programs
- **Music Education**
- **Music**
- **Theatre**

### Certificates
- **None**

### Related Minors
- **Music**
- **Theatre**
- **Digital Media**

### Advising Notes
- **None**

### Transfer Notes
- **Lower division courses do not substitute for upper division courses.**
- **Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.**
Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year - Fall

- ENC 1101 Composition I: 3 hrs
- MUT 1121 Music Theory and Musicianship I: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1110 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUL 2014 Introduction to Music History and Literature: 3 hrs
- MVX 141X Performance I: 2 hrs

Freshman Year - Spring

- ENC 1102 Composition II: 3 hrs
- MUT 1122 Music Theory and Musicianship II: 4 hrs
- MUN 3713 Jazz Ensemble: 1 hr
- MVK 1111 Class Piano II: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUL 2016 Evolution of Jazz: 3 hrs
- MVX 141X Performance I: 2 hrs
- Science Foundation: 3 hrs

Sophomore Year - Fall

- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MUS 4954 Recital Performance II: 0 hrs
- MUS 4320 Music Business and Industry: 3 hrs
- MUT 3923 Jazz Workshop: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MVX 3XXX Performance III: 3 hrs
- MVX 121X Secondary Performance: 2 hrs

Sophomore Year - Spring

- MUS 1110 Class Piano II: 1 hr
- MUS 1112 Class Piano III: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- MVX 2XXX Performance II: 2 hrs

Junior Year - Fall

- MUT 3923 Jazz Workshop: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3XXX Performance III: 3 hrs
- MUX 3XXX Restricted Elective: 3 hrs
- MUX 3XXX Restricted Elective: 1 hr

Junior Year - Spring

- STA 1063C Basic Statistics Using Microsoft Excel: 3 hrs
- MUH 3211 Music History and Literature I: 3 hrs
- MUT 3923 Jazz Workshop: 3 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3953 Recital Performance I: 0 hrs
- MVX 343X Performance III: 3 hrs
- MVX 3XXX Performance III: 3 hrs
- Science Foundation: 3 hrs

Senior Year - Fall

- MUS 1010 Music Forum: 0 hrs
- MUT 3923 Jazz Workshop: 3 hrs
- MUH 4814 Jazz Styles and Analysis: 3 hrs
- Social Foundation: 3 hrs

Senior Year - Spring

- MUS 4954 Recital Performance II: 0 hrs
- Social Foundation: 3 hrs
- MVX 444X Performance IV: 4 hrs
- Social Foundation: 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oelas.ucf.edu/academiclearningcompacts.html

Equipment Fees

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

Music - Music Composition Track (B.M.)

College of Arts and Humanities

Department of Music,
Performing Art Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu

UCF Degree Programs

A: Communication Foundations (9 hrs)
- Communication Studies
- Communication Theory
- Media Studies
- Media Law

B: Cultural & Historical Foundations (9 hrs)
- World History
- United States History
- European History
- Latin American History

C: Mathematical Foundations (6 hrs)
- Calculus
- Linear Algebra
- Discrete Mathematics

D: Social Foundations (3 hrs)
- Psychology
- Sociology
- Economics

E: Science Foundations (3 hrs)
- Physics
- Chemistry
- Biology

2. Common Program Prerequisites (CPP) (32 hrs)
- Composition I (3 hrs)
- Composition II (3 hrs)
- Music Theory and Musicianship I (4 hrs)
- Music Theory and Musicianship II (4 hrs)
- Music Theory and Musicianship III (4 hrs)
- Music Theory and Musicianship IV (4 hrs)
- Class Piano I (1 hr)
- Class Piano II (1 hr)
- Class Piano III (1 hr)
- Class Piano IV (1 hr)

V: Degree Requirements

Degree Requirements

A: Common Program Prerequisites (CPP) (32 hrs)
- Composition I (3 hrs)
- Composition II (3 hrs)
- Music Theory and Musicianship I (4 hrs)
- Music Theory and Musicianship II (4 hrs)
- Music Theory and Musicianship III (4 hrs)
- Music Theory and Musicianship IV (4 hrs)
- Class Piano I (1 hr)
- Class Piano II (1 hr)
- Class Piano III (1 hr)
- Class Piano IV (1 hr)

Core Requirements: Basic Level (20 hrs)
- Composition I (3 hrs)
- Composition II (3 hrs)
- Music Theory and Musicianship I (2 hrs)
- Music Theory and Musicianship II (2 hrs)
- Music Theory and Musicianship III (2 hrs)
- Music Theory and Musicianship IV (2 hrs)
- Class Piano I (1 hr)
- Class Piano II (1 hr)
- Class Piano III (1 hr)
- Class Piano IV (1 hr)

Core Requirements: Advanced Level (23 hrs)
- Composition III (3 hrs)
- Composition IV (3 hrs)
- Counterpoint (3 hrs)
- Orchestration (3 hrs)
- Analysis of Twentieth-Century Music (3 hrs)
- History of Music (3 hrs)
- Conducting (2 hrs)
- Advanced Conducting (2 hrs)
- Applied Composition (3 hrs)

Core Requirements: Professional Sequence (20 hrs)
- Composition III (3 hrs)
- Composition IV (3 hrs)
- Counterpoint (3 hrs)
- Orchestration (3 hrs)
- Analysis of Twentieth-Century Music (3 hrs)
- History of Music (3 hrs)
- Conducting (2 hrs)
- Advanced Conducting (2 hrs)
- Applied Composition (3 hrs)

Capstone Requirements (6 hrs)
- Senior BM Recital (0 hrs)
- Senior BM Project (0 hrs)
- Senior BM Symposium (0 hrs)
- Senior BM Performance (0 hrs)

Professional Sequence Entrance Review
- Required: Completion of Composition I and II
- Required: Completion of Performance I and II
- Required: Completion of MUS 2360C
- Required: Completion of MUT 2127, Music Theory and
  Musicianship IV
- Required: Completion of Class Piano IV
- Required: Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a prerequisite for Composition level III.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Composition students must present a faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

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

2. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

3. Core Requirements: Professional Sequence (20 hrs)
- Required: Completion of Composition III
- Required: Composition IV
- Required: Counterpoint
- Required: Orchestration
- Required: Analysis of Twentieth-Century Music
- Required: History of Music
- Required: Conducting
- Required: Advanced Conducting
- Required: Applied Composition

4. Core Electives (36 hrs)
- Electives from any level or above
- Electives from any level or above
- Electives from any level or above
- Electives from any level or above
- Electives from any level or above

5. Capstone Requirements (6 hrs)
- Senior BM Recital (0 hrs)
- Senior BM Project (0 hrs)
- Senior BM Symposium (0 hrs)
- Senior BM Performance (0 hrs)

6. Capstone Requirements (6 hrs)
- Senior BM Recital (0 hrs)
- Senior BM Project (0 hrs)
- Senior BM Symposium (0 hrs)
- Senior BM Performance (0 hrs)

7. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

8. Core Electives (36 hrs)
- Electives from any level or above
- Electives from any level or above
- Electives from any level or above
- Electives from any level or above
- Electives from any level or above

9. Capstone Requirements (6 hrs)
- Senior BM Recital (0 hrs)
- Senior BM Project (0 hrs)
- Senior BM Symposium (0 hrs)
- Senior BM Performance (0 hrs)

10. Capstone Requirements (6 hrs)
- Senior BM Recital (0 hrs)
- Senior BM Project (0 hrs)
- Senior BM Symposium (0 hrs)
- Senior BM Performance (0 hrs)
7. Foreign Language Requirements

Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- 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 2380C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre

Certificates
- None

Related Minors
- Music
- Digital Media
- Theatre

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 14 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MUS 2380C Introduction to Music Technology 3 hrs
- MUS 1010 Music Forum 0 hrs
- MVX 141X Performance I 1 hr
- MUN XXXX Major Ensemble 1 hr

Science Foundation 3 hrs

Sophomore Year - Fall 15 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- MUC 1101C Composition I 2 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring 16 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUC 2104C Composition II 2 hrs
- 1 MG 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Junior Year - Fall 16 hrs
- MUA 3111 Music History and Literature I 3 hrs
- MUT 4571 Analysis of Twentieth-Century Music 3 hrs
- MUC 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- Cultural/Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUX 3/4XXX Restricted Elective 3 hrs

Junior Year - Spring 16 hrs
- 1 STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- 2 MUH 3212 Music History and Literature II 3 hrs
- MUT 4311 Orchestration 3 hrs
- MUC 3105C Composition III 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Major Ensemble 1 hr
- MUX 3/4XXX Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
- MUC 4106C Composition IV 4 hrs
- MUS 1010 Music Forum 0 hrs
- Social Foundation 3 hrs
- Science Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

Senior Year - Spring 13 hrs
- MUC 4106C Composition IV 4 hrs
- MUT 4401 Counterpoint 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUC 4950 Composition Recital 0 hrs
- Social Foundation 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeras.ucf.edu/academiclearningcompacts.html

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

Music - Music Performance Track (B.M.)

College of Arts and Humanities

Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://music.cah.ucf.edu/admissions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

UNIVERSITY OF CENTRAL FLORIDA
### UCF Degree Programs

- 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 Musicanship IV 4 hrs

#### Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to [http://music.ucf.edu/students](http://music.ucf.edu/students) to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.
- Students must complete a faculty-approved Senior BM web portfolio.

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

- **(See General Education program for detailed information)**

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<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Take all of the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I and 3 hrs</td>
</tr>
<tr>
<td>Recommended ENC 1102 Composition II 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MUH 3212 Music History and Literature II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select one course from B.1 list 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Select one course from B.2 list 3 hrs</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

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**

#### 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.

<table>
<thead>
<tr>
<th>MUS, MUT, MVX courses numbered 3000 or higher.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVX 141X Performance I (2 semesters) 4 hrs</td>
</tr>
<tr>
<td>MVX 242X Performance II (2 semesters) 4 hrs</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (6 hrs)

<table>
<thead>
<tr>
<th>MUS, MUT, MVX courses numbered 3000 or higher.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2014 Introduction to Music History and Literature 3 hrs</td>
</tr>
<tr>
<td>MUS 2360C Introduction to Music Technology 3 hrs</td>
</tr>
<tr>
<td>MUS 1010 Music Forum 0 hrs</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (24 hrs)

<table>
<thead>
<tr>
<th>MUS, MUT, MVX courses numbered 3000 or higher.</th>
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</thead>
<tbody>
<tr>
<td>MUS 3953 Recital Performance I 0 hrs</td>
</tr>
<tr>
<td>MUS 4954 Recital Performance II 0 hrs</td>
</tr>
<tr>
<td>MUG 3104 Basic Conducting 2 hrs</td>
</tr>
<tr>
<td>MUS 3211 Music History and Literature I 3 hrs</td>
</tr>
<tr>
<td>MUS 3212 Music History and Literature II GEP</td>
</tr>
<tr>
<td>MUS 343X Performance III (2 Semesters) 6 hrs</td>
</tr>
<tr>
<td>MUS 444X Performance IV (2 Semesters) 8 hrs</td>
</tr>
<tr>
<td>MUN XXXX Major Ensembles (Piano students take MUN 3484) 2 hrs</td>
</tr>
<tr>
<td>MUS 3453; guitar students take MUN 3484) 2 hrs</td>
</tr>
<tr>
<td>Choose one MUT 3XXX or MUT 4XXX course 3 hrs</td>
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#### Specialty Requirements (Choose One): 22 hrs

<table>
<thead>
<tr>
<th>Piano</th>
</tr>
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<tbody>
<tr>
<td>MUL 3400 Piano Literature I and 2 hrs</td>
</tr>
<tr>
<td>MUL 3401 Piano Literature II and 2 hrs</td>
</tr>
<tr>
<td>MUK 4640 Piano Pedagogy I and 2 hrs</td>
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<tr>
<td>MUS 3453 Piano Ensemble and 1 hr</td>
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<tr>
<td>MUS 3453 Piano Ensemble and 1 hr</td>
</tr>
<tr>
<td>Restricted Electives and 9 hrs</td>
</tr>
<tr>
<td>Electives 5 hrs</td>
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<table>
<thead>
<tr>
<th>Guitar</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 4437 String Literature and Pedagogy and 3 hrs</td>
</tr>
<tr>
<td>MUN 3487 Guitar Ensemble and 1 hr</td>
</tr>
<tr>
<td>MUN 3487 Guitar Ensemble and 1 hr</td>
</tr>
<tr>
<td>Restricted Electives and 12 hrs</td>
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<tr>
<td>Electives 5 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Voice</th>
</tr>
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<tbody>
<tr>
<td>MUS 1250 IPA for Singers and 1 hr</td>
</tr>
<tr>
<td>MUS 3255 German and English Lyric Diction and 2 hrs</td>
</tr>
<tr>
<td>MUS 3254 Italian and French Lyric Diction and 2 hrs</td>
</tr>
<tr>
<td>MUV 4640 Voice Pedagogy and 2 hrs</td>
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<tr>
<td>MUL 3602 Song Literature and 3 hrs</td>
</tr>
<tr>
<td>MUS XXXX Major Ensembles and 2 hrs</td>
</tr>
<tr>
<td>MUS XXXX Minor Ensembles and 2 hrs</td>
</tr>
<tr>
<td>Foreign Language (French, German, or Italian) 8 hrs</td>
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<table>
<thead>
<tr>
<th>Woodwinds</th>
</tr>
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<tbody>
<tr>
<td>MUL 4444 Woodwind Literature and Pedagogy and 3 hrs</td>
</tr>
<tr>
<td>MUS XXXX Major Ensembles and 2 hrs</td>
</tr>
<tr>
<td>MUS XXXX Minor Ensembles and 4 hrs</td>
</tr>
<tr>
<td>Restricted Electives and 8 hrs</td>
</tr>
<tr>
<td>Electives 5 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Brass</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 4443 Brass Literature and Pedagogy and 3 hrs</td>
</tr>
<tr>
<td>MUS XXXX Major Ensembles and 2 hrs</td>
</tr>
<tr>
<td>MUS XXXX Minor Ensembles and 4 hrs</td>
</tr>
<tr>
<td>Restricted Electives and 8 hrs</td>
</tr>
<tr>
<td>Electives 5 hrs</td>
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<table>
<thead>
<tr>
<th>Percussion</th>
</tr>
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<tbody>
<tr>
<td>MUL 3463 Percussion Literature and 2 hrs</td>
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<tr>
<td>MVP 3630 Percussion Pedagogy and 2 hrs</td>
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<tr>
<td>MUS XXXX Major Ensembles and 2 hrs</td>
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<tr>
<td>MUS XXXX Minor Ensembles and 4 hrs</td>
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<tr>
<td>Restricted Electives and 7 hrs</td>
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<tr>
<td>Electives 5 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Strings</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 4437 String Literature and Pedagogy and 3 hrs</td>
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<tr>
<td>MUS XXXX Major Ensembles and 2 hrs</td>
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<tr>
<td>MUS XXXX Minor Ensembles and 4 hrs</td>
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<tr>
<td>Restricted Electives and 8 hrs</td>
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<tr>
<td>Electives 5 hrs</td>
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<th>5. Restricted Electives</th>
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<tr>
<td>0-15 hrs</td>
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<tr>
<td>Any MUC, MUE, MUG, MUH, MUL, MUM, MUO, MUS, MVX, MVY courses numbered 3000 or higher.</td>
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</table>

#### 6. Capstone Requirements

- None
7. Foreign Language Requirements
   Admissions
   - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - None

8. Electives
   - 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, and nine hours of Summer credit.

   Total Semester Hours Required
   - 120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Strings, Woodwinds, Brass

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUN 1101 Music Theory and Musicianship I 4 hrs
- MUS 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2014 Music History and Literature 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUN 1122 Music Theory and Musicianship II 4 hrs
- MUS 1112 Class Piano II 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs

Sophomore Year - Fall
- SPC 2300 Fundamentals of Oral Communication 3 hrs
- MUN 1126 Music Theory and Musicianship III 4 hrs
- MVX 2121 Class Piano III 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 2106 Finite Mathematics 3 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs

Sophomore Year - Spring
- MUN 2127 Music Theory and Musicianship IV 4 hrs
- MVX 2122 Class Piano IV 1 hr
- MUS 1010 Music Forum 0 hrs
- MUG 1106 Finite Mathematics 3 hrs
- Cultural & Historical Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr
- MVX 242X Performance II 2 hrs
- Professional Sequence Entrance Interview

Junior Year - Fall
- MUH 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- Cultural & Historical Foundation 3 hrs
- MVX 343X Performance III 3 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN XXXX Minor Ensemble 1 hr

Junior Year - Spring
- MUH 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUS 3653 Recital Performance I 0 hrs
- MUX 3/4XXX Restricted Electives 3 hrs
- MUL 44XX Literature and Pedagogy 3 hrs
- MVX 343X Performance III 3 hrs
- MUN XXXX Minor Ensemble 1 hr
- MUN XXXX Major Ensemble 1 hr
- Professional Sequence Entrance Review

Senior Year - Fall
- MUS 1010 Music Forum 0 hrs
- Free Elective 2 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- Science Foundation 3 hrs
- MUN XXXX Major Ensemble 1 hr
- MUN 3XXX Restricted Elective 1 hr

Senior Year - Spring
- 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 3XXXRestricted Elective 1 hr
### Program B: Percussion

#### Freshman Year - Fall
- ENC 1101 Composition I: 3 hrs
- MUS 1121 Music Theory and Musicianship I: 4 hrs
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUL 2014 Introduction to Music History and Literature: 3 hrs
- MVP 1411 Percussion I: 2 hrs
- MUN XXXX Major Ensemble: 1 hr

#### Freshman Year - Spring
- ENC 1102 Composition II: 3 hrs
- MUS 1122 Music Theory and Musicianship II: 4 hrs
- MVK 1112 Class Piano II: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUS 2360C Introduction to Music Technology: 3 hrs
- MVP 1411 Percussion I: 2 hrs
- MUN XXXX Major Ensemble: 1 hr
- Science Foundation: 3 hrs

#### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MUN 3443 Percussion Ensemble: 1 hr
- MVP 2421 Percussion II: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MUG 3104 Basic Conducting: 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel: 3 hrs
- MVK 2121 Class Piano III: 1 hr
- MUN XXXX Major Ensemble: 1 hr

#### Sophomore Year - Spring
- MUN 3443 Percussion Ensemble: 1 hr
- MUS 2360C Introduction to Music Technology: 3 hrs
- MVP 1411 Percussion I: 2 hrs
- MUN XXXX Major Ensemble: 1 hr
- Science Foundation: 3 hrs

#### Junior Year - Fall
- MUH 3211 Music History and Literature I: 3 hrs
- MVK 3431 Piano III: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3953 Recital Performance I: 0 hrs
- MUX 3/4XXX Restricted Elective: 3 hrs
- MUN XXXX Major Ensemble: 1 hr

#### Junior Year - Spring
- MUH 3212 Music History and Literature II: 3 hrs
- MUL 3463 Percussion Literature: 2 hrs
- MVP 3431 Percussion III: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3953 Recital Performance I: 0 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- MUN XXXX Major Ensemble: 1 hr

#### Senior Year - Fall
- MVP 4441 Percussion IV: 4 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 4954 Recital Performance II: 0 hrs
- Social Foundation: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN 3/4XXX Restricted Elective: 1 hr
- Free Elective: 3 hrs

#### Senior Year - Spring
- MVP 4441 Percussion IV: 4 hrs
- MUS 1010 Music Forum: 0 hrs
- Social Foundation: 3 hrs
- MUN XXXX Major Ensemble: 1 hr
- MUN 3/4XXX Restricted Elective: 1 hr
- Free Elective: 3 hrs

### Program C: Piano

#### Freshman Year - Fall
- ENC 1101 Composition I: 3 hrs
- MUN 3453 Piano Ensemble: 1 hr
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUL 2014 Introduction to Music History and Literature: 3 hrs
- MVP 1411 Piano I: 2 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II: 3 hrs
- MUN 3453 Piano Ensemble: 1 hr
- MVK 1112 Class Piano II: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUS 2360C Introduction to Music Technology: 3 hrs
- MVP 1411 Piano I: 2 hrs

#### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication: 3 hrs
- MUN 3453 Piano Ensemble: 1 hr
- MVK 2121 Class Piano III: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUG 3104 Basic Conducting: 2 hrs
- STA 1063C Basic Statistics Using Microsoft Excel: 3 hrs
- MVK 2421 Piano II: 2 hrs

#### Sophomore Year - Spring
- MUN 3453 Piano Ensemble: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MGF 1106 Finite Mathematics: 3 hrs
- Cultural & Historical Foundation: 3 hrs
- Professional Sequence Entrance Review: 3 hrs

#### Junior Year - Fall
- MUH 3211 Music History and Literature I: 3 hrs
- MUL 3400 Piano Literature I: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3453 Piano Ensemble: 1 hr
- MUT 4571 Analysis of Twentieth-Century Music: 3 hrs
- MVK 3431 Piano III: 2 hrs
- Cultural & Historical Foundation: 3 hrs

#### Junior Year - Spring
- MUH 3212 Music History and Literature II: 3 hrs
- MUL 3401 Piano Literature II: 2 hrs
- MUS 1010 Music Forum: 0 hrs
- MUS 3453 Piano Ensemble: 1 hr
- MUS 3953 Recital Performance I: 0 hrs
- MVK 3431 Piano III: 2 hrs
- MUX 3/4XXX Restricted Electives: 6 hrs

#### Senior Year - Fall
- MUS 1010 Music Forum: 0 hrs
- MUS 3453 Piano Ensemble: 1 hr
- MVK 4640 Piano Pedagogy I: 2 hrs
- MVK 4441 Piano IV: 4 hrs
- Social Foundation: 3 hrs
- Science Foundation: 3 hrs
- Free Elective: 2 hrs

#### Senior Year - Spring
- MUS 1010 Music Forum: 0 hrs
- MUS 3453 Piano Ensemble: 1 hr
- MVK 4441 Piano IV: 4 hrs
- Social Foundation: 3 hrs
- MUX 3/4XXX Restricted Electives: 3 hrs
- Free Elective: 3 hrs

### Program D: Guitar

#### Freshman Year - Fall
- ENC 1101 Composition I: 3 hrs
- MUN 3453 Guitar Ensemble: 1 hr
- MVP 1416 Guitar I: 2 hrs
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUL 2014 Introduction to Music History and Literature: 3 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II: 3 hrs
- MUN 3453 Guitar Ensemble: 1 hr
- MVP 1416 Guitar I: 2 hrs
- MVK 1111 Class Piano I: 1 hr
- MUS 1010 Music Forum: 0 hrs
- MUL 2014 Introduction to Music History and Literature: 3 hrs
<table>
<thead>
<tr>
<th>Program</th>
<th>Year</th>
<th>Term</th>
<th>Hours</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Freshman Year - Spring</strong></td>
<td>17 hrs</td>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
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<td>MUT 1122</td>
<td>Music Theory and Musicianship II</td>
<td>4 hrs</td>
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<tr>
<td></td>
<td></td>
<td>MUN 3487</td>
<td>Guitar Ensemble</td>
<td>1 hr</td>
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<tr>
<td></td>
<td></td>
<td>MVS 1416</td>
<td>Guitar I</td>
<td>2 hrs</td>
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<tr>
<td></td>
<td></td>
<td>MVK 1112</td>
<td>Class Piano II</td>
<td>1 hr</td>
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<td></td>
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<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
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<td></td>
<td>MUS 2360C</td>
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<td></td>
<td></td>
<td>Science Foundation</td>
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<tr>
<td><strong>Sophomore Year - Fall</strong></td>
<td>16 hrs</td>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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<td>MUT 2126</td>
<td>Music Theory and Musicianship III</td>
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<td></td>
<td></td>
<td>MVS 2426</td>
<td>Guitar II</td>
<td>2 hrs</td>
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<tr>
<td></td>
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<td>MVK 2122</td>
<td>Class Piano IV</td>
<td>1 hr</td>
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<td></td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<td></td>
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<td>MUG 3104</td>
<td>Basic Conducting</td>
<td>2 hrs</td>
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<td></td>
<td></td>
<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<tr>
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<td>MVK 2122</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<td>MUG 3104</td>
<td>Basic Conducting</td>
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<td>Basic Statistics Using Microsoft Excel</td>
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<tr>
<td><strong>Junior Year - Fall</strong></td>
<td>19 hrs</td>
<td>MUH 3211</td>
<td>Music History and Literature I</td>
<td>3 hrs</td>
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<td></td>
<td></td>
<td>MVS 3436</td>
<td>Guitar III</td>
<td>2 hrs</td>
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<td>MUT 4571</td>
<td>Analysis of Twenty-First-Century Music</td>
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<td>MVS 4346</td>
<td>Guitar IV</td>
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<td></td>
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<td>Cultural &amp; Historical Foundation</td>
<td>3 hrs</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>MUX 3/4XXX Restricted Electives</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Junior Year - Spring</strong></td>
<td>16 hrs</td>
<td>MUH 3212</td>
<td>Music History and Literature II</td>
<td>3 hrs</td>
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<td></td>
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<td>MUL 4437</td>
<td>String Literature and Pedagogy</td>
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<td>MVS 3436</td>
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<td>MUN 3487</td>
<td>Guitar Ensemble</td>
<td>1 hr</td>
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<td></td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<td>Recital Performance I</td>
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<td>Guitar IV</td>
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<td>MUS 1010</td>
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<td>MUS 3487</td>
<td>Guitar Ensemble</td>
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<td></td>
<td></td>
<td>Social Foundation</td>
<td>3 hrs</td>
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<td></td>
<td>Science Foundation</td>
<td>3 hrs</td>
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<td>MUX 3/4XXX Restricted Elective</td>
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<td>Social Foundation</td>
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<td>Introduction to Music History and Literature</td>
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<td>MUH 3211</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<td>MUG 3104</td>
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<td>Voice Literature</td>
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<td>MUG 3104</td>
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<td>MUL 3602</td>
<td>Song Literature</td>
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<td>2 hrs</td>
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<td>MUN XXXX Major Ensemble</td>
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<tr>
<td><strong>Senior Year - Spring</strong></td>
<td>14 hrs</td>
<td>MUL 3602</td>
<td>Song Literature</td>
<td>3 hrs</td>
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<td>Music Forum</td>
<td>0 hrs</td>
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<td>MUG 3104</td>
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<td>2 hrs</td>
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<td>STA 1063C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<td></td>
<td>MUN XXXX Major Ensemble</td>
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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oead.ucf.edu/academiclearningcompacts.html](http://www.oead.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Music Education (B.M.E.)
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Email: musicaud@ucf.edu
Dr. Kelly Miller, Kelly.Miller@ucf.edu, 407-823-4545

Admission Requirements
Admission Requirements - Music Education
- Audition. To be accepted into Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements - Professional Program
- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program. (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission). Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 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.

Degree Requirements
- None

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

   (See General Education Program for detailed information)

   A: Communication Foundations (9 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   Take all of the following: (6 hrs)
   - Required ENC 1101 Composition I and 3 hrs
   - Required ENC 1102 Composition II 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer MUL 2720 Music of the World 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Suggested MGF 1106 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

   Statistics - Computers (3 hrs)
   - Select a course from GEP C.2 list 3 hrs

   D: Social Foundations (6 hrs)
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

   E: Science Foundations (6 hrs)
   - Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (38 hrs)

   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   EDF 2005 Introduction to the Teaching Profession 3 hrs
   EME 2040 Introduction to Technology for Educators 3 hrs
   EDF 2085 Introduction to Diversity for Educators 3 hrs
   MUT 1121 Music Theory and Musicianship I 4 hrs
   MUT 1122 Music Theory and Musicianship II 4 hrs
   MUT 2126 Music Theory and Musicianship III 4 hrs
   MUT 2127 Music Theory and Musicianship IV 4 hrs
   MVK 2122 Class Piano IV 1 hr
   MUS 1010 Music Forum 0 hrs
   MUN XXXX Major Ensembles (4 semesters) 4 hrs
   MVX 141X Performance I (2 semesters) 4 hrs
   MVX 242X Performance II (2 semesters) 4 hrs

   1 4 semesters

3. Core Requirements: Basic Level (5 hrs)

   MUS 1010 Music Forum CPP
   MUT 1121 Music Theory and Musicianship I CPP
   MUT 1122 Music Theory and Musicianship II CPP
   MUT 2126 Music Theory and Musicianship III CPP
   MUT 2127 Music Theory and Musicianship IV CPP
   MVK 2122 Class Piano IV CPP
   MUL 2014 Introduction to Music History and Literature 3 hrs
   MUN XXXX Major Ensembles (2 semesters) 2 hrs
   MVX 141X Performance I (2 semesters) CPP
   MVX 242X Performance II (2 semesters) CPP

   1 4 semesters

   2 4 total hours of major ensemble (MUN XXXX) required;
   4 hours are reflected in the CPP and 2 hours are reflected in the Core: Basic Level.
6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements

Admission to Internship I will be granted to students who meet the following requirements:
- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5.
- Possess minimum specialization GPA of 2.5.
- Achieve a “C” or better in all prerequisite methods/specialization courses.
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X) and Music Internship II (MUE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:
- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida Teaching Certification Examination (FTCE) before the third semester of enrollment at UCF.

(See http://www.fl.nesinc.com/ for test information).
Electronic Portfolio (MUE 4791). Students will develop an electronic portfolio while enrolled in upper division education courses and Internship II (MUE 4943). The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

**Ensemble Participation**
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

**Recitals**
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization), fulfilled by MUS 3953. Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

**Music Education Forums**
- Attendance at all Music Education Forums (except during Internship I and II) is expected

**Public School Partnerships**
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- University 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, and nine hours of Summer credit.

**Total Semester Hours Required**
- 134
### Sophomore Year - Spring
- **EDF 2085** Introduction to Diversity for Educators
- **MUT 2127** Music Theory and Musicianship IV
- **MVK 2122** Class Piano IV
- **MUH 3212** Music History and Literature II
- **MUS 1010** Music Forum
- **MUE XXXX** Techniques
- **MVX 242X** Performance II
- **MUN XXXX** Ensemble

**Total: 16 hrs**

### Sophomore Year - Fall
- **MUS 1010** Music Forum
- **MUT 2128** Music Theory and Musicianship III
- **MVK 2121** Class Piano III
- **MUH 3211** Music History and Literature I
- **GEP**
- **MUE XXXX** Techniques
- **MVX 242X** Performance II
- **MUN XXXX** Ensemble

**Total: 18 hrs**

### Junior Year - Fall
- **MUG 3104** Basic Conducting
- **EDG 4110** Teaching Strategies and Classroom Management
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- **MUS 1010** Music Forum
- **MUE XXXX** Techniques
- **MVX 343X** Performance III
- **MUN XXXX** Ensemble

**Total: 15 hrs**

### Junior Year - Spring
- **MUG 3301** Instrumental Conducting and Materials
- **RED 4043** Content Reading in Kindergarten through Grade 12
- **EME 2040** Introduction to Technology for Educators
- **MUS 1010** Music Forum
- **MUE 3953** Recital Performance I

**Total: 16 hrs**

### Senior Year - Fall
- **ESE 3940** Internship I - Secondary
- **MUE 3333** Music Learning Theory and Assessment
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools
- **MUE 4311** Elementary School Music Methods
- **MUS 1010** Music Forum
- **CMENC**
- **CMENC**

**Total: 14 hrs**

### Senior Year - Spring
- **ESE 4943** Internship II - Secondary
- **MUE 4335** Secondary Choral Methods II or
- **MUE 4441** String Methods
- **GEP**
- **MVX 343X** Performance III
- **MUN XXXX** Ensemble

**Total: 10 hrs**

### Senior Year - Summer
- **GEP**
- **GEP**
- **GEP**

**Total: 9 hrs**

### Program B - Choral Program K-12
### Freshman Year - Fall
- **EDF 2005** Introduction to the Teaching Profession
- **MUT 1121** Music Theory and Musicianship I
- **MVK 1111** Class Piano I
- **MUS 1250** IPA for Singers
- **MUS 1010** Music Forum
- **GEP**
- **MVX 141X** Performance I
- **MUN XXXX** Ensemble

**Total: 18 hrs**

### Freshman Year - Spring
- **MUL 2014** Introduction to Music History and Literature
- **MUT 1122** Music Theory and Musicianship II
- **MVK 1112** Class Piano II
- **MUS 1010** Music Forum
- **GEP**
- **MVX 141X** Performance I
- **MUN XXXX** Ensemble

**Total: 17 hrs**

### Sophomore Year - Spring
- **MUS 1010** Music Forum
- **MUT 2128** Music Theory and Musicianship III
- **MVK 2121** Class Piano III
- **MUH 3211** Music History and Literature I
- **GEP**
- **MUE XXXX** Techniques
- **MVX 242X** Performance II
- **MUN XXXX** Ensemble

**Total: 15 hrs**

### Sophomore Year - Fall
- **MUS 1010** Music Forum
- **MUT 2128** Music Theory and Musicianship III
- **MVK 2121** Class Piano III
- **MUH 3212** Music History and Literature I
- **GEP**
- **MUE XXXX** Techniques
- **MVX 242X** Performance II
- **MUN XXXX** Ensemble

**Total: 16 hrs**

### Junior Year - Fall
- **MUG 3104** Basic Conducting
- **EDG 4110** Teaching Strategies and Classroom Management
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- **MUS 1010** Music Forum
- **MUE XXXX** Techniques
- **MVX 343X** Performance III
- **MUN XXXX** Ensemble

**Total: 16 hrs**

### Junior Year - Spring
- **MUG 3302** Instrumental Conducting and Materials
- **RED 4043** Content Reading in Kindergarten through Grade 12
- **EME 2040** Introduction to Technology for Educators
- **MUS 1010** Music Forum
- **MUE 3953** Recital Performance I

**Total: 20 hrs**

### Senior Year - Fall
- **ESE 3940** Internship I - Secondary
- **MUE 3333** Music Learning Theory and Assessment
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools
- **MUE 4311** Elementary School Music Methods
- **GEP**
- **CMENC**
- **CMENC**

**Total: 14 hrs**

### Senior Year - Spring
- **ESE 4943** Internship II - Secondary
- **MUE 4335** Secondary Choral Methods II
- **CMENC**
- **CMENC**

**Total: 22 hrs**

### Program C - Elementary Program
### Freshman Year - Fall
- **EDF 2005** Introduction to the Teaching Profession
- **MUT 1121** Music Theory and Musicianship I
- **MVK 1111** Class Piano I
- **MUE 2346** Vocal Techniques
- **MUS 1010** Music Forum
- **GEP**
- **MVX 141X** Performance I
- **MUN XXXX** Ensemble

**Total: 18 hrs**

### Freshman Year - Spring
- **MUL 2014** Introduction to Music History and Literature
- **MUT 1122** Music Theory and Musicianship II
- **MVK 1112** Class Piano II
- **MUS 1010** Music Forum
- **GEP**

**Total: 16 hrs**
UCF Degree Programs

Junior Year - Spring 16 hrs
MUS 1010 Music Forum 0 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs
MVK 2122 Class Piano IV 1 hr
MUK 3211 Music History and Literature I 3 hrs
GEP 3 hrs
MUE XXXX Techniques 2 hrs
MVX 242X Performance II 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Junior Year - Fall 18 hrs
MUS 1010 Music Forum 0 hrs
EDP 2085 Introduction to Diversity for Educators 3 hrs
MVK 2122 Class Piano IV 1 hr
MUK 3211 Music History and Literature II 3 hrs
MUE XXXX Techniques 2 hrs
MVX 242X Performance II 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Sophomore Year - Spring 17 hrs
MUS 1010 Music Forum 0 hrs
EDP 2085 Introduction to Diversity for Educators 3 hrs
MVK 2122 Class Piano IV 1 hr
MUK 3211 Music History and Literature II 3 hrs
MUE XXXX Techniques 2 hrs
MVX 242X Performance II 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Sophomore Year - Fall 16 hrs
MUS 1010 Music Forum 0 hrs
EDP 2085 Introduction to Diversity for Educators 3 hrs
MVK 2122 Class Piano IV 1 hr
MUK 3211 Music History and Literature I 3 hrs
GEP 3 hrs
MUE XXXX Techniques 2 hrs
MVX 141X Performance I 2 hrs
CMENC/Schools

Junior Year - Fall 18 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUE 4311 Elementary School Music Methods 2 hrs
EDG 4410 Teaching Strategies and Classroom Management
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
MUE 4393 Music and Students with Special Needs 2 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
GEP 3 hrs
CMENC/Schools

Junior Year - Spring 19 hrs
MUS 1010 Music Forum 0 hrs
MUE 4333 General Music Literature and Techniques 2 hrs
RED 4943 Content Reading in Kindergarten through Grade 12 3 hrs
MUS 3953 Recital Performance I 0 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
MUS 2306C Introduction to Music Technology 3 hrs
MUG 3X02 Choral or Instrumental Conducting 2 hrs
GEP 3 hrs
MVX 343X Performance III 2 hrs
MUN XXXX Ensemble 1 hr
CMENC/Schools

Senior Year - Fall 12 hrs
ESE 3940 Internship I - Secondary 3 hrs
MUE 3333 Music Learning Theory and Assessment 3 hrs
Select 1: 3 hrs
MUE 4331 Secondary Choral Methods I or TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools
GEP 3 hrs
CMENC

Senior Year - Spring 22 hrs
ESE 4943 Internship II - Secondary 7 hrs
MUE 4943 Music Internship II 12 hrs
GEP 3 hrs
CMENC

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/academiclearningcompacts.html

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

Nursing (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Associate Dean, Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education 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 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.
- Admission to the University must also be completed by the program application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- Selected applicants will be invited to a mandatory personal interview session
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks including fingerprints are required for all applicants to the undergraduate nursing program. The results are reviewed as part of the admission process and may be grounds for denying a student admission to the College of Nursing.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A 9 hrs
- A minimum of three courses, with a grade of C (2.00) or better.
- May take Anatomy and Physiology sequence (AP I & II) of eight total credits
  - Microbiology with Lab 4 hrs
  - Anatomy with Lab 4 hrs
  - Physiology with Lab 4 hrs
  - General Chemistry (or other approved science) 3 hrs
UCF Degree Programs

Group B 9 hrs

- A minimum of three courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
- Sociology or 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 Florida College System A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) 38 hrs

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution, and should be completed in the first 60 hours.

A: Communication Foundations 9 hrs

B: Cultural & Historical Foundations 9 hrs

C: Mathematical Foundations 6 hrs

1. Mathematics 3 hrs

- You may substitute a higher level math with appropriate scores on the Math Placement Test.
  Prefer MAC 1105C College Algebra 3 hrs

2. Statistics 3 hrs

- Required STA 2041C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

D: Social Foundations 6 hrs

1. Economics/Political Science 3 hrs

- Prefer ECO 2041 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

2. Social Sciences 3 hrs

- Prefer PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations 8 hrs

1. Physical Sciences 3 hrs

- Suggested CHM 1032 General Chemistry 3 hrs

2. Life Sciences 4 hrs

- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) 21 hrs

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.

- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at www.nursing.ucf.edu

- MCB 2004C Microbiology for Health Professionals 4 hrs
- ZOO 3733C Human Anatomy 4 hrs
- PCB 3733C Human Physiology 4 hrs
- HUN 3011 Human Nutrition 3 hrs
- CHM 1032 General Chemistry 3 hrs

Select 1: 3 hrs

- STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

Select 1: 3 hrs

- SDW 3104 Human Behavior and the Social Environment I or DEP 2004C Developmental Psychology 3 hrs

Select 1: 3 hrs

- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology GEP

1 or other approved Science

3. Core Requirements: Basic Level

4. Core Requirements: Advanced Level 62 hrs

- Any variation from the following must be approved in advance by the College of Nursing.

NUR 3065L Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3034L Essentials of Nursing Practice Lab 1 hr
NUR 3516L Health Promotion Across the Lifespan 2 hrs
NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr

- Clinical
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3165 Pathophysiology for Nursing Practice Clinical 3 hrs
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3816 Professional Nurse Seminar 1 hr
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3445L Nursing Care of Families Clinical 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Nursing Clinical 3 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4828L Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public and Community Health Nursing 3 hrs
NUR 4637L Public Health Nursing Clinical 1 hr

5. Restricted Electives 3 hrs

Nursing Electives
- One College of Nursing elective

6. Capstone Requirements

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

9. Additional Requirements

- Students pursuing an A.S. degree must meet the University foreign language admission requirements before admission.

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
UCF Degree Programs

11. Departmental Exit Requirements
    ■ All courses in major must be “C” (2.0) or better.
    ■ The UCF GPA must be 2.5 or above.
    ■ The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA.
    ■ 60 semester hours earned after CLEP awarded.
    ■ 48 semester hours of upper division credit completed.
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF.
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

    ■ 120

Honors In Major

Honors Option Requires:
    ■ Open to students with a minimum 3.5 GPA in Nursing.
    ■ Completion of a three credit directed readings course.
    ■ Completion of a three credit thesis course.
    ■ Must earn a minimum cumulative UCF 3.2 GPA.
    ■ Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
    ■ Health Services Administration
    ■ Social Work

Certificates
    ■ Aging Studies

Related Minors
    ■ Psychology
    ■ Health Sciences
    ■ Health Services Administration

Advising Notes
    ■ None

Transfer Notes
    ■ Lower division courses do not substitute for upper division courses.
    ■ Nursing courses 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 college Chemistry course or approved Science course.
      3 hrs
      DEP 2004C: May substitute any Human Growth & Development course.
      3 hrs
      HUN 3011: May substitute any Human Nutrition course.
      3 hrs
      MCB 2004C: May substitute any General Microbiology course which has a lab.
      4 hrs
      PCB 3703C: May take Anatomy and Physiology sequence (AP I & II).
      4 hrs
      PSY 2012: May substitute any General Psychology course.
      3 hrs
      STA 2014C: May substitute STA2023 or equivalent.
      3 hrs
      SYG 2000: May substitute any Introductory Sociology course.
      3 hrs
      ZOO 3733C: May take Anatomy and Physiology sequence (AP I & II).
      4 hrs

Plan of Study

Freshman Year - Spring 13 hrs

MAC 1105C College Algebra
  3 hrs
BSC 2010C Biology I
  4 hrs
1 GEP
  3 hrs

Select 1:

SYG 2000 Introduction to Sociology or
  3 hrs
PSY 2012 General Psychology
  3 hrs

1 General Education or SLS 1501
Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)
College of Nursing
UTWR - 3rd Floor
http://www.nursing.ucf.edu/
Email: ucfnurse@ucf.edu
Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covey, Assoc. Dean Undergraduate
Dr. Stephen Heglund, Concurrent Program Coordinator
Phone: 407-823-2744

A partnership between selected Florida College System institutions and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the Florida College System institution Nursing Programs are eligible for this enrollment option. Students must make separate application to UCF and the College of Nursing. Students are accepted into this program for their first semester of nursing and must progress according to a designated plan of study.
- Students must be accepted by UCF prior to the Concurrent A.S.N. to B.S.N. application deadline. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.
- Criminal background checks and drug screening may be required for all Concurrent students prior to their registering for the final practicum course NUR 4604L.

At the time of application, students must have:
- A cumulative GPA of 3.0 or above.
- Completed application to a Florida College System institution ASN Nursing program and the UCF College of Nursing and be admitted to the University by UCF Undergraduate Admissions.
- An AA degree from a Florida College System or State University System institution or have met ALL UCF General Education program requirements prior to program start.
- Met UCF Foreign Language admission requirement prior to program start.
- Completed seven out of eight Common Program Prerequisites courses for UCF and all of the ASN nursing program’s prerequisites by application deadline.
- A satisfactory score on the standardized entry test(s) required by both programs.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Prefer MAC 1105C College Algebra 3 hrs

Select 1:
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Select 1:
- STA 2023 Statistical Methods I or 3 hrs
- STA 2014C Principles of Statistics or 3 hrs

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

Science Foundation is six credit hours for General Education Program. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
- or other Physical Science

2. Common Program Prerequisites (CPP) (18 hrs)
- Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

MCB 2040C Microbiology for Health Professionals 4 hrs
- CHM 1032 General Chemistry GEP
- ZOO 3733C Human Anatomy 4 hrs
- PCB 3703C Human Physiology 4 hrs
- HUM 3011 Human Nutrition 3 hrs

Select 1:
- STA 2023 Statistical Methods I or 3 hrs
- STA 2014C Principles of Statistics or 3 hrs

Select 1:
- SOW 3104 Human Behavior and the Social Environment I or 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Select 1:
- Required PSY 2012 General Psychology or 3 hrs
- Required SYG 2000 Introduction to Sociology or 3 hrs

1 Or other approved science. Also meets General Education Requirements: Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence (AP I & II) of eight total credits.
3 Also meets General Education Requirements; Applicants should see an advisor.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (57 hrs)

Core UCF Requirements 28 hrs
- NUR 3086 Professional Socialization Seminar 1 hr
- NUR 3065 Health Assessment 2 hrs
- NUR 3905 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 4603 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4629 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4607 Practicum in Community and Public Health 4 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

1 Science Foundation is six credit hours for General Education Program. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
2 or other Physical Science

Select 1:
- Required STA 2014C Principles of Statistics or 3 hrs
## Upper Division Credit

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3026</td>
<td>Essentials of Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3028L</td>
<td>Essentials of Nursing Practice Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3755L</td>
<td>Essentials of Nursing Practice Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3225</td>
<td>Nursing Care of the Adult I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3225L</td>
<td>Nursing Care of the Adult I: Clinical Practice</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3445</td>
<td>Nursing Care of Families</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 3445L</td>
<td>Nursing Care of Families Clinical</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4227</td>
<td>Nursing Care of the Adult II</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 4555L</td>
<td>Psychiatric Mental Health Clinical</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

5. **Restricted Electives** (3 hrs)

Any one upper division nursing elective 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 program start.

Graduation

- None

8. **Electives**

- Free 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, and nine hours of Summer credit.

### Total Semester Hours Required

120

**Honors in Major**

- See Nursing HIM Advisor

**Related Programs**

- Health Services Administration
- Social Work

**Certificates**

- Aging Studies

**Related Minors**

- Health Sciences
- Health Services Administration
- Psychology

**Advising Notes**

- None

**Transfer Notes**

- None

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study** (31 hrs)

- None

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

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**Equipment Fees**

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

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**Nursing - R.N. to B.S.N. Program (B.S.N.)**

**College of Nursing**

**UTWR, Room: 3rd floor**

[http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)

**Email:** ucfnurse@ucf.edu

Dr. Stephen Heglund, RN to BSN Coordinator

Dr. Maureen Covelli, Assoc. Dean Undergraduate

Dr. Mary Lou Sole, Interim Dean

Phone: 407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see [http://distrib.ucf.edu/home](http://distrib.ucf.edu/home), and [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).

**Admission Requirements**

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. 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 and, have either completed the UCF General Education Program (GEP) requirements or completed an AA degree from a Florida College System or State University System institution or have no more than a total of 9 credit hours remaining to meet UCF General Education and/or Foreign Language graduation requirements.
  - Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.
  - A minimum overall GPA of 2.8

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or Florida College System A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding Common Program Prerequisites (CPP) requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education - 36 hours) must be completed prior to enrolling in NUR 3165 Nursing Research.
- The Foreign Language graduation requirement must be completed before enrolling in NUR 3165 Nursing Research.

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

- **A:** Communication Foundations (9 hrs)
- **B:** Cultural & Historical Foundations (9 hrs)
- **C:** Mathematical Foundations (6 hrs)
  - **Prefer:** MAC 1105C College Algebra

#### Select 1: 3 hrs

- **Required STA 2014C Principles of Statistics or**
- **Required STA 2023 Statistical Methods I**

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UNIVERSITY OF CENTRAL FLORIDA

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D: Social Foundations

Select 1: (6 hrs)

1 Required
SYG 2000 Introduction to Sociology or
1 Required
PSY 2012 General Psychology

Select 1: (3 hrs)

1 Suggested
ECO 2013 Principles of Macroeconomics or
1 Suggested
ECO 2023 Principles of Microeconomics or
1 Suggested
POS 2041 American National Government

1 One of these courses is required to meet General Education requirements.

E: Science Foundations

(6 hrs)

Required
BSC 2010C Biology I 4 hrs
1 Required
CHM 1032 General Chemistry 3 hrs

1 Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition (HUN 3011).

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

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1: (4 hrs)

1 PSY 2012 General Psychology or
1 SYG 2000 Introduction to Sociology or
1 MCB 2004C Microbiology for Health Professionals 4 hrs
1 CHM 1032 General Chemistry 4 hrs
2 ZOO Human Anatomy 4 hrs

3733C
1 PCB 3703C Human Physiology 4 hrs
HUN 3011 Human Nutrition 3 hrs

Select 1: (3 hrs)

1 STA 2014C Principles of Statistics or
1 STA 2023 Statistical Methods I GEP

Select 1: (3 hrs)

SOW 3104 Human Behavior and the Social Environment I or
DEP 2004C Developmental Psychology 3 hrs

1 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 (or other approved Science) Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
3 May take Anatomy and Physiology sequence (AP I & II) of eight total credits

3. Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (56 hrs)

UCF Core

NUR 3955 Dimensions of Professional Nursing Practice 3 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3165 Nursing Research 3 hrs
NUR 3616 Health Promotion Across the Lifespan 2 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4604L Practicum in Community and Public Health 4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public and Community Health Nursing 3 hrs

Upper Division Credit

29 hrs

1 Upper Division Credit may be met by Validation and RN License.

NUR 3028 Essentials of Nursing Practice 3 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 4 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs

NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (3 hrs)

Any one upper division nursing elective (NUR, NSP, NGR prefix)

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of one foreign language in high school, or
one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3165.

Graduation

None

8. Electives

variable to meet degree requirements

9. Additional Requirements

Progression Requirements:

A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.

Complete all courses in major with at least a “C” (2.0).

Maintain a UCF GPA of 2.5 or above.

Maintain a College of Nursing GPA of 2.5 or above.

Prior to NUR 3165 Nursing Research: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 4) complete foreign language admission requirement

Other:

Selected courses may be offered at regional campuses of Daytona, Cocoa, and Leesburg.

The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

10. Required Minors

None

11. Departmental Exit Requirements

Completion of all courses in major with a grade of “C” (2.0) or better

Overall cumulative GPA of 2.5 or above

College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

120

Honors In Major

Contact Program Coordinator or HIM Advisor

Related Programs

Health Services Administration

Social Work

Certificates

Aging Studies

Related Minors

Health Sciences

Health Information Management

Health Services Administration

Psychology

UNIVERSITY OF CENTRAL FLORIDA

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## Advising Notes
- Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

## Transfer Notes
- None

## Acceptable Substitutes for Transfer Courses
- None

## Plan of Study (30 hrs)
- assuming general education, foreign language, and nursing prerequisites are complete

### Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

### Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

### Junior Year - Summer
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

### Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

### Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public and Community Health Nursing 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

## Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

## Philosophy (B.A.)

### College of Arts and Humanities

### Department of Philosophy, Psychology Building, Room: 220

### Email: Philosophy2@ucf.edu

Dr. Don Jones, Don.Jones@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
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)

### 2. Core Requirements: Basic Level (36 hrs)
- E: Science Foundations (6 hrs)
- D: Social Foundations (6 hrs)
- C: Mathematical Foundations (6 hrs)
- B: Cultural & Historical Foundations (9 hrs)

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- assuming general education, foreign language, and nursing prerequisites are complete

### Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

### Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

### Junior Year - Summer
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

### Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

### Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public and Community Health Nursing 3 hrs

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### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

### Philosophy (B.A.)

### College of Arts and Humanities

### Department of Philosophy, Psychology Building, Room: 220

### Email: Philosophy2@ucf.edu

Dr. Don Jones, Don.Jones@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu
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)

### 2. Core Requirements: Basic Level (36 hrs)
- E: Science Foundations (6 hrs)
- D: Social Foundations (6 hrs)
- C: Mathematical Foundations (6 hrs)
- B: Cultural & Historical Foundations (9 hrs)

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- assuming general education, foreign language, and nursing prerequisites are complete

### Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

### Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

### Junior Year - Summer
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

### Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

### Senior Year - Spring
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- NUR 4637 Public and Community Health Nursing 3 hrs

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### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

### Philosophy (B.A.)

### College of Arts and Humanities

### Department of Philosophy, Psychology Building, Room: 220

### Email: Philosophy2@ucf.edu

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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)

### 2. Core Requirements: Basic Level (36 hrs)
- E: Science Foundations (6 hrs)
- D: Social Foundations (6 hrs)
- C: Mathematical Foundations (6 hrs)
- B: Cultural & Historical Foundations (9 hrs)

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- assuming general education, foreign language, and nursing prerequisites are complete

### Junior Year - Fall
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs

### Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

### Junior Year - Summer
- NUR 3616 Health Promotion Across the Lifespan 2 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

### Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR/NSP XXXX Nursing Elective 3 hrs

### Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public and Community Health Nursing 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Topics in Philosophy 3 hrs
Select 1: 3 hrs
- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.
  - PHI 4931 Philosophy in the News or 3 hrs
  - PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
  - PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
  - PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  - PHI 4804 Critical Theory or 3 hrs
  - PHP 3763 Modernity as a Philosophical Problem or 3 hrs
  - PHI 3750 The Problem of Evil or 3 hrs
  - PHI 3720 Faith and Reason or 3 hrs
  - PHI 3803 Philosophy and Creativity or 3 hrs
  - REL 3111 Religion and Philosophy Through Film or 3 hrs
  - PHP 3760 Existentialism or 3 hrs
  - HUM 4330 Performance Theory or 3 hrs
  - PHI 4935 Topics in Philosophy of Mind or 3 hrs
  - PHP 4903 Key Concepts in Philosophy or 3 hrs
  - PHP 4931 Key Figures in Philosophy 3 hrs

5. Restricted Electives (6 hrs)
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a “C” (2.0) or better in each required course.
- Departmental Exit Exam in final semester, included in PHI 4938: Senior Research Seminar
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

Computer Competency met by one of the following:
- PHI 4970H Undergraduate Honors Thesis or 1 hr
- PHI 4938 Senior Research Seminar or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major.

Requirements are as follows:

Core Requirements 36 hrs
- Same requirements as for regular majors, but must include the following:
  - PHI 2101 Formal Logic I 3 hrs

Upper Division Restricted Electives 6 hrs
- Same as requirement for regular majors

Honors Thesis
- PHI 4903H Honors Directed Reading I 1 hr
- PHI 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a “B” (3.0) or better in both of the following courses:
  - PHI 4903H Honors Directed Reading I 1 hr
  - PHI 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities and Cultural Studies
- Religion and Cultural Studies

Certificates
- None

Related Minors
- Cognitive Sciences
- Environmental Studies
- Humanities and Cultural Studies
- Religion and Cultural Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PHI 2101 Introduction to Philosophy 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- Restricted Elective 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

UCF Degree Programs

UNIVERSITY OF CENTRAL FLORIDA

283 Undergraduate Catalog 2015-2016
Photography (B.S.)

School of Visual Arts and Design

(See "Common Prerequisites" in the Transfer and Transitions Services section for more information.) 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:

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

   - Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

   A: Communication Foundations (9 hrs)

   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - SPC 2600 Speech (A.S.) 3 hrs

   1 If not already completed as part of the A.S. degree, after acceptance into the program.

   B: Cultural & Historical Foundations (9 hrs)

   - Required ARH 2051 History of Western Art II 3 hrs

   1 If not already completed as part of the A.S. degree, after acceptance into the program.

   C: Mathematical Foundations (6 hrs)

   If not already completed as part of the A.S. degree, after acceptance into the program.

   - Required MAC 1105C College Algebra or 3 hrs
   - MGF 2106 College Mathematics or 3 hrs
   - MGF 2107 Mathematics for Liberal Arts 3 hrs
   - Computer Science or Statistics 3 hrs

   D: Social Foundations (6 hrs)

   - Political Science or Economics 3 hrs
   - Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.)

   E: Science Foundations (6 hrs)

   - Physical Science 3 hrs
   - Life Science 3 hrs

2. Common Program Prerequisites (CPP)

   - (Included in A.S. or B.S. requirements.)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

   - Subject to change. Prerequisites have not been set by the state.

   1 ARH 2051 History of Western Art II 3 hrs
   2 PGY 3651C Narrative Editorial Photography 3 hrs
   3 PGY 1403 Fundamentals of Photography (Already included in A.S. requirements)
   4 PGY 3821C Advanced Digital Photography 3 hrs
   5 PGY 3653C Advanced Editorial Photography 3 hrs
   6 PGY 3451C Alternative Processes 3 hrs
   7 PGY 3472C Photographic Lighting Techniques 3 hrs
   8 PGY 3205C Professional Environment 3 hrs
   9 PGY 3751C Photo Visualization 3 hrs
   10 PGY 3472C Photo Visualization 3 hrs
   11 PGY 3751C Video Production 3 hrs
   12 PGY 4228C Advanced Illustrative Photography 3 hrs
   13 PGY 4471 Photography Thesis 3 hrs
   14 PGY 3651C Narrative Editorial Photography 3 hrs
   15 PGY 3276 Contemporary Photography 3 hrs
   16 PGY 3295C Photographic Lighting Techniques 3 hrs
   17 PGY 3700C Professional Environment 3 hrs
   18 PGY 3472C Photo Visualization 3 hrs
   19 PGY 3751C Video Production 3 hrs
   20 PGY 4228C Advanced Illustrative Photography 3 hrs
   21 PGY 4471 Photography Thesis 3 hrs
   22 PGY 3651C Narrative Editorial Photography 3 hrs
   23 PGY 3276 Contemporary Photography 3 hrs
   24 PGY 3295C Photographic Lighting Techniques 3 hrs
   25 PGY 3700C Professional Environment 3 hrs
   26 PGY 3472C Photo Visualization 3 hrs
   27 PGY 3751C Video Production 3 hrs
   28 PGY 4228C Advanced Illustrative Photography 3 hrs

3. Core Requirements: Basic Level (49 hrs)

   - Completed in the A.S. in Photographic Technology at Daytona State College, or equivalent coursework

4. Core Requirements: Advanced Level (33 hrs)

   - PGY 3002 Contemporary Photography 3 hrs
   - PGY 3205C Photographic Lighting Techniques 3 hrs
   - PGY 3276 Professional Environment 3 hrs
   - PGY 3472C Photo Visualization 3 hrs
   - PGY 3653C Advanced Editorial Photography 3 hrs
   - PGY 3751C Video Production 3 hrs
   - PGY 4228C Advanced Illustrative Photography 3 hrs
   - PGY 4471 Photography Thesis 3 hrs
   - PGY 3651C Narrative Editorial Photography 3 hrs

Select one of the following courses:

- CRW 3011 Creative Writing for Non-Majors or 3 hrs
- ENC 3250 Professional Writing 3 hrs

5. Restricted Electives (6 hrs)

Select two of the following courses:

- PGY 3451C Alternative Processes 3 hrs
- PGY 3480 Museum and Gallery Practices 3 hrs
- PGY 3700C Professional Environment 3 hrs
- PGY 4235C Professional Photographic Workshop 3 hrs
- PGY 4493C Photography and Art 3 hrs
- PGY 4941 Internship 3 hrs

6. Capstone Requirements

   - None
UCF Degree Programs

Photonic Science and Engineering (B.S.P.S.E.)
College of Optics and Photonics
CREOL, Room: 108B
Phone: 407-823-6800

The Bachelor of Science in Photonic Science and Engineering degree is designed to prepare the next generation of engineers for the growing optics and photonics industry, which has a broad set of applications including manufacturing, healthcare, telecommunication, defense, security and entertainment. The program draws on UCF's internationally recognized strengths in the field of optics and lasers, and is matched to the strong photonics industry in Central Florida. The degree is offered jointly by the College of Optics and Photonics and the College of Engineering and Computer Science.

Admission Requirements
- Students who wish to declare their major in Photonic Science and Engineering must be in good academic standing and must have a “C” (2.0) or better in each of the following courses or their equivalents: MAC 2311C, MAC 2312, PHY 2048C, and CHM 1440 or CHM 2045C.

Degree Requirements
- Majors in the B.S.P.S.E. degree are required to achieve a 2.250 or greater GPA for their engineering core courses, together with the photonics courses required for the major, technical elective courses, and the senior design courses.
- Students in the Photonic Science and Engineering major may not accumulate five or more grades of W, WP, or WF at UCF and remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who accumulates three grades of W, WP, or WF at UCF will be placed on W Probation and will remain on W Probation as long as the student is enrolled in a CECS or COP major. If a student on W Probation receives a fifth grade of W, WP, or WF, the student will be excluded from all CECS and COP majors.

Advising Notes
- http://svad.cah.ucf.edu/bsphotography

Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Lower division courses do not substitute for upper division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oees.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Students in the Photonic Science and Engineering major are expected to make consistent good progress toward their degrees to remain enrolled in, or eligible for, any major in the College of Engineering and Computer Science (CECS) or the College of Optics and Photonics (COP). Therefore, any student majoring in Photonic Science and Engineering who repeats any UCF course and does not earn a grade of “C” (2.0) or better on the second attempt will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation does not receive a grade of “C” (2.0) or better by the third attempt in the same UCF course, the student will be excluded from all CECS and COP majors.

Any student majoring in Photonic Science and Engineering who has accumulated 7 or more unsuccessful attempts (i.e., grades below “C” (2.0) and withdrawals) over all courses taken at UCF will be placed on Lack of Progress Probation and remain on Lack of Progress Probation as long as the student is enrolled in a CECS or COP major. If a student on Lack of Progress Probation has a tenth unsuccessful attempt over all courses taken at UCF, the student will be excluded from all CECS and COP majors.

A student who is excluded from CECS and COP majors may seek readmission to a major in CECS or COP after at least one full year has passed since exclusion. Readmission is not automatic and is dependent upon a high probability of success after readmission. Any student who is readmitted to the Photonic Science and Engineering major will be subject to all probation conditions that applied at the time of exclusion.

1. UCF General Education Program (GEP) (38 hrs)

Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida College System or State University System should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - Suggested SPC 1608 Fundamentals of Oral Communication or SPC 1603C Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
- Select a course from Historical Foundations 3 hrs
- Select a course from Cultural Foundations 3 hrs
- Select a course from either Historical or Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
  - Suggested ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Choose one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida postsecondary schools and may be transferred directly to UCF programs.

1 MAC 2311C Calculus with Analytic Geometry I GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Ordinary Differential Equations I 3 hrs
1 PHY 2049C Physics for Engineers & Scientists I GEP
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 4 hrs
1 CHS 1440 Principles of Chemistry or 4 hrs
1 CHM 2045C Chemistry Fundamentals I 4 hrs
1 A “C” (2.0) or better is required in these courses to enroll in PSE major courses.

3. Core Requirements: Basic Level (14 hrs)

Engineering Requirements 17 hrs
- EEL 3004C Electrical Networks 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3307C Electronics I 4 hrs

Photonic Requirements 25 hrs
- OSE 3052 Introduction to Photonics 3 hrs
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs
- OSE 4520 Laser Engineering 3 hrs
- OSE 4520L Laser Engineering Laboratory 1 hr
- OSE 4410 Optoelectronics 3 hrs
- OSE 4410L Optoelectronics Laboratory 1 hr
- OSE 4470 Fiber-Optic Communications 3 hrs
- OSE 4470L Fiber-Optic Communications Laboratory 1 hr
- OSE 4830 Imaging and Display 3 hrs
- OSE 4830L Imaging and Display Laboratory 1 hr
- OSE 4930 Frontiers of Optics and Photonics 2 hrs

4. Core Requirements: Advanced Level (42 hrs)

Engineering Requirements 17 hrs
- EEL 3004C Electrical Networks 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEE 3307C Electronics I 4 hrs

Photonic Requirements 25 hrs
- OSE 3052 Introduction to Photonics 3 hrs
- OSE 3052L Introduction to Photonics Laboratory 1 hr
- OSE 3053 Electromagnetic Waves for Photonics 3 hrs
- OSE 4520 Laser Engineering 3 hrs
- OSE 4520L Laser Engineering Laboratory 1 hr
- OSE 4410 Optoelectronics 3 hrs
- OSE 4410L Optoelectronics Laboratory 1 hr
- OSE 4470 Fiber-Optic Communications 3 hrs
- OSE 4470L Fiber-Optic Communications Laboratory 1 hr
- OSE 4830 Imaging and Display 3 hrs
- OSE 4830L Imaging and Display Laboratory 1 hr
- OSE 4930 Frontiers of Optics and Photonics 2 hrs

5. Restricted Electives (9 hrs)

Students must select at least 3 credit hours of restricted electives with the course prefix OSE. The remaining 6 hours may be taken from approved upper level photonics, engineering, physics, mathematics, or other related electives. All electives must be approved by the program advisor.

6. Capstone Requirements (6 hrs)
- OSE 4951 Senior Design I 3 hrs
- OSE 4952 Senior Design II 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements

Photonic science and engineering students must earn at least 32 hours in residence at UCF. 24 of the 32 Residency hours must be at the 3000-5000 level, in courses taken from the College of Optics and Photonics at UCF and applicable to the degree program.

10. Required Minors
- None
11. Departmental Exit Requirements
   - None

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Electrical Engineering
- Computer Engineering
- Physics

Certificates
- None

Related Minors
- Engineering Leadership
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours.
- Students are assumed to have knowledge of a higher level programming language (C preferred).

Transfer Notes
- Courses taken from Florida College System institutions do not substitute for upper division courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGS 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 program academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)

Sophomore Year - Fall
- 15 hrs
  - ECE 2050 Lecture 1 hr
  - ECE 2050 Laboratory 1 hr
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - ECE 2204 Digital Principles 3 hrs
  - ENG 1102 Composition II 3 hrs

Sophomore Year - Spring
- 15 hrs
  - ECE 2050 Lecture 1 hr
  - ECE 2050 Laboratory 1 hr
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - ECE 2204 Digital Principles 3 hrs
  - ENG 1102 Composition II 3 hrs

Junior Year - Fall
- 14 hrs
  - Selected 1: OSE 3052 Introduction to Photonics 3 hrs
  - Selected 2: EEL 3004C Electronics I 4 hrs
  - EEL 3470 Electromagnetic Fields 3 hrs

Junior Year - Spring
- 14 hrs
  - Selected 1: OSE 4410 Optoelectronics 3 hrs
  - Selected 2: OSE 4410L Optoelectronics Laboratory 1 hr

Senior Year - Fall
- 15 hrs
  - OSE 4951 Senior Design I 3 hrs
  - OSE 4930 Frontiers of Optics and Photonics 2 hrs
  - Restricted Elective 3 hrs

Senior Year - Spring
- 13 hrs
  - OSE 4952 Senior Design II 3 hrs
  - OSE 4930 Frontiers of Optics and Photonics 2 hrs
  - Restricted Elective 3 hrs

Electives
- 3 hrs

Restricted Elective
- 3 hrs

Specializations
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Physics (B.S.)

College of Sciences

Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu

Dr. Talat Rahman
Phone: 407-823-2325

Physics majors can select from five distinct specializations to earn their physics degree, as described below in Section 4, Core Requirements, Advanced. While the various specializations share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
- All prerequisites of courses taught within the College of Sciences will be enforced.
UCF Degree Programs

- 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 courses and students entering without these classes will be unable to register for most of the advanced courses.

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations
- Prefer SPC 1603C Fundamentals of Technical Presentations (9 hrs)

Take all of the following:
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II and 3 hrs

B: Cultural & Historical Foundations
- Select one of the following sequences of courses: (9 hrs)
  MAC 2311C Calculus with Analytic Geometry I
  MAC 2312 Calculus with Analytic Geometry II
  MAC 2313 Calculus with Analytic Geometry III

C: Mathematical Foundations
- Required MAC 2311C Calculus with Analytic Geometry I and 4 hrs
- Required COP 3502C Computer Science I and 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations
1. Physical Science:
- Required PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- Select 3 hrs from the E.Z. GEP list.

2. Common Program Prerequisites (CPP) (20 hrs)
- Required CHM 2045C Chemistry Fundamentals I and 4 hrs
- Required CHM 2040 Chemistry Fundamentals IA and 3 hrs
- Required CHM 2041 Chemistry Fundamentals IB and 3 hrs

Take all of the following:
- CHM 2046 Chemistry Fundamentals II and 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory and 1 hr
- PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers & Scientists II and 4 hrs

3. Core Requirements: Basic Level (36 hrs)
- Required of all specializations.
- In addition to those courses specified in the Common Program Prerequisites, students also must complete the following.

Core: Required, satisfies the CPP
- CHM 2045C Chemistry Fundamentals I and CPP
- or
- CHM 2040 Chemistry Fundamentals IA and CPP
- CHM 2041 Chemistry Fundamentals IB and CPP
- and
- MAC 2311C Calculus with Analytic Geometry I and GEP/CPP
- MAC 2312 Calculus with Analytic Geometry II and CPP
- MAC 2313 Calculus with Analytic Geometry III and GEP/CPP
- PHY 2048C Physics for Engineers & Scientists I and GEP/CPP
- PHY 2049C Physics for Engineers & Scientists II and CPP

Core: Additional requirements
- MAP 2302 Ordinary Differential Equations I and 3 hrs
- PHY 3101 Physics for Engineers and Scientists III and 3 hrs
- PHY 3113 Introduction to Theoretical Methods of Physics and 3 hrs
- PHY 3220 Mechanics I and 3 hrs
- PHY 3513 Thermal and Statistical Physics and 3 hrs
- PHY 3323 Electricity and Magnetism I and 3 hrs
- PHY 4324 Electricity and Magnetism II and 3 hrs
- PHY 4604 Wave Mechanics I and 3 hrs
- PHY 4605 Wave Mechanics II and 3 hrs
- PHY 4912 Directed Independent Research (in area of specialization) and 3 hrs

Laboratory Requirement
- PHY 3802L Intermediate Physics Laboratory and 3 hrs

And either
- PHY 3752C Physics of Scientific Instruments or 3 hrs
- PHY 3722C Physics Laboratory-Electronics and 3 hrs

4. Core Requirements: Advanced Level
- Select one specialization

4.1. General Physics Specialization (18 hrs)
- PHY 4803L Advanced Physics Laboratory and 3 hrs

- Restricted Electives: (6 hrs)
- Select from upper division PHY, PHZ, or AST courses and 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 and 3 hrs
- PHY 4803L Advanced Physics Laboratory or 3 hrs
- EEE 5356C Fabrication of Solid-State Devices and 4 hrs

- Select 3 and 9 hrs
- EEE 3350 Semiconductors Devices I or 3 hrs
- EGN 3365 Structure and Properties of Materials or 3 hrs
- EMA 4413 Fundamentals of Electronic Materials or 3 hrs
- CHM 5411L Physical Chemistry Laboratory or 2 hrs
- PHZ 5405 Condensed Matter Physics or 3 hrs
- EEE 5352C Semiconductor Material and Device Characterization and 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)
- PHY 4424 Optics and 3 hrs

- Select 2 and 6 hrs
- EEL 4440 Optical Engineering or 3 hrs
- PHY 4445 Lasers 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

- Directed Electives: (9 hrs)
- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization (19 hrs)
- PHZ 3151 Computer Methods in Physics and 3 hrs
- COP 3502C Computer Science I and 3 hrs
- COP 3503C Computer Science II and 3 hrs
- COP 4500 Numerical Calculus and 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.

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4.5. Astronomy Specialization  18 hrs
   AST 2002 Astronomy  3 hrs
   - Select one  3 hrs
     AST 4700 Experimental Methods in Astronomy  3 hrs
     AST 4762C Astronomical Data Analysis  3 hrs
     AST 5765C Advanced Astronomical Data Analysis  3 hrs
   - and  6 hrs
     Select from upper division AST courses
   - Directed Electives:  6 hrs
     Select courses at a 3000 level or higher, approved by
     the Physics Department. Courses must be chosen in
     Physics, Mathematics, Chemistry, Computer Science, or
     Engineering.

5. Restricted Electives
   None

6. Capstone Requirements
   None

7. Foreign Language Requirements

Admissions
   Two years high school, or one year college language (or
   equivalent proficiency exam) prior to graduation.

Graduation
   None

8. Electives
   - Select primarily from upper level courses after meeting
     with a departmental advisor. Courses may be outside the
     department.

9. Additional Requirements
   None

10. Required Minors
    None

11. Departmental Exit Requirements
    Students must have at least a 2.0 GPA in all courses
    counted toward the major
    Students will be required to take a nationally normed
    test in Physics during their last semester
    Students will have an exit interview in their
    last semester with a representative of the Physics
    Undergraduate Committee

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be
      completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence,
      CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon
      Rule, and nine hours of Summer credit.

Total Semester Hours Required
   120

Honors In Major
   None

Related Programs
   - Mathematics - Engineering/Physics Track
   - Mathematics - Applied Track
   - Mathematics - Pure Track
   - Electrical Engineering
   - Mechanical Engineering

Certificates
   None

Related Minors
   - Mathematics
   - Physics
   - Astronomy

Advising Notes
   None

Transfer Notes
   - Lower division courses do not substitute for upper
     division courses.
   - Courses transferred from private and out-of-state
     schools must be evaluated for equivalency credit. The
     student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - The following substitutions for common program
     prerequisites are acceptable if taken prior to transferring
     to UCF:
       CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM
       2040C plus CHM 2041C

Plan of Study
   - This is one of numerous possible plans of study. See
     program description for all requirements. Consult a
     departmental advisor for alternate, new or more appropriate
     selections.
   - Prior to enrolling in Chemistry, take Chemistry
     Placement Test ~
     http://knightsource.sdes.ucf.edu/placement
   - Prior to enrolling in Math, take Math Placement Test ~
     http://utc.sdes.ucf.edu/math/

   Although all classes are listed during the academic
   year, you may be required to complete 9 hours of them
   during the Summer. Consult with an advisor to determine if
   you are exempt.

Freshman Year - Fall  14 hrs
   MAC 2311C Calculus with Analytic Geometry I  4 hrs
   CHM 2045C Chemistry Fundamentals I  4 hrs
   GEP  3 hrs
   GEP  3 hrs

Freshman Year - Spring  15 hrs
   PHY 2048C Physics for Engineers & Scientists I  4 hrs
   MAC 2312 Calculus with Analytic Geometry II  4 hrs
   CHM 2046 Chemistry Fundamentals II  3 hrs
   CHM 2046L Chemistry Fundamentals Laboratory  1 hr
   Note: Lab may be taken later if seats are not available
   GEP  3 hrs

Sophomore Year - Fall  17 hrs
   PHY 2049C Physics for Engineers & Scientists II  4 hrs
   MAC 2313 Calculus with Analytic Geometry III  4 hrs
   COP 3502C Computer Science I  3 hrs
   GEP  3 hrs
   GEP  3 hrs

Sophomore Year - Spring  15 hrs
   PHY 3101 Physics for Engineers and Scientists III  3 hrs
   PHZ 3113 Introduction to Theoretical Methods of
     Physics  3 hrs
   MAP 2302 Ordinary Differential Equations I  3 hrs
   GEP  3 hrs
   GEP  3 hrs

Junior Year - Fall  15 hrs
   PHY 3802L Intermediate Physics Laboratory  3 hrs
   PHY 3323 Electricity and Magnetism I  3 hrs
   PHY 3513 Thermal and Statistical Physics  3 hrs
   Core Course  3 hrs
   Restricted Elective  3 hrs

Junior Year - Spring  15 hrs
   PHY 3220 Mechanics I  3 hrs
   PHY 4324 Electricity and Magnetism II  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs
   GEP  3 hrs
   GEP  3 hrs

Senior Year - Fall  15 hrs
   PHY 4604 Wave Mechanics I  3 hrs
   PHY 4912 Independent Research  3 hrs
   Restricted Elective  3 hrs
   Restricted Elective  3 hrs
   Free Elective  3 hrs

Senior Year - Spring  14 hrs
   PHY 4605 Wave Mechanics II  3 hrs
   Restricted Elective  3 hrs
   GEP  3 hrs
   Free Elective  2 hrs
   Free Elective  3 hrs
   Physics Test-Nationally normed
UCF Degree Programs

Physics (B.A.)
College of Sciences
Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman, Chair
Dr. Elena Filtisyani
Phone: 407-823-1156

Physics majors can select from two curricular options: BA in Physics, which gives students the flexibility to combine physics with another focus area in an interdisciplinary program, in particular Physics Education, Nanoscale Science and Technology, Biophysics, Information Technology/Data Science, Technical Writing; and BS in Physics, which is intended to prepare students for the study of physics or a closely related subject in graduate school. In consultation with their academic advisors, students can choose between Option I and II by the end of the sophomore year.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
■ Physics majors are discouraged from taking courses as a transient student at a Florida College System institution, except in situations where one semester of a two semester sequence has already been taken at the Florida College System institution.
■ All prerequisites of courses taught within the College of Sciences will be enforced.
■ Courses designated in 2 (Common Program Prerequisites) are usually completed in the first sixty hours.
■ AA transfer students are expected to have completed the following courses before enrolling as Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311C Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 PHY 2048C Physics for Engineers & Scientists I 4 hrs
2 PHY 2049C Physics for Engineers and Scientists II 4 hrs

1 With Department permission this course can be substituted by PHY 2053C.
2 With Department permission, this course can be substituted by PHY 2054C.

1. UCF General Education Program (GEP) (39 hrs)
■ Note: Certain courses must be selected in the GEP for this major which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
Prefer SPC 1603C Fundamentals of Technical Presentations 3 hrs
Take all of the following: 6 hrs
Required ENC 1101 Composition I and 3 hrs
Required ENC 1102 Composition II 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer PHI 2010 Introduction to Philosophy 3 hrs
Prefer HUM 2210 Humanistic Tradition I 3 hrs
Prefer HUM 2230 Humanistic Tradition II 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
Suggested STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (8 hrs)
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
MAC 2311C Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs

Select one of the following sequences of courses:
CHM 2045C Chemistry Fundamentals I 4 hrs

or

CHM 2048 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Take all of the following:
CHM 2046 Chemistry Fundamentals IB 4 hrs
CHM 2048 Chemistry Fundamentals II 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP

3. Core Requirements: Basic Level (24 hrs)
■ In addition to those courses specified in the Common Program Prerequisites, students also must complete the following:

Core: Required, satisfies the CPP
CHM 2045C Chemistry Fundamentals I CPP

- or
CHM 2040 Chemistry Fundamentals IA and CPP
CHM 2041 Chemistry Fundamentals IB CPP

- and
MAC 2311C Calculus with Analytic Geometry I GEP/CPP
MAC 2312 Calculus with Analytic Geometry II CPP
MAC 2313 Calculus with Analytic Geometry III CPP
1 PHY 2048C Physics for Engineers & Scientists I CPP
2 PHY 2049C Physics for Engineers and Scientists II CPP

1 With Department permission this course can be substituted by PHY 2053C.
2 With Department permission, this course can be substituted by PHY 2054C.

Core: Additional requirements
PHY 3101 Physics for Engineers and Scientists III 3 hrs
PHY 3220 Mechanics I 3 hrs
PHY 3513 Thermal and Statistical Physics 3 hrs
PHY 3323 Electricity and Magnetism I 3 hrs
PHY 4604 Wave Mechanics I 3 hrs
PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs
MAP 3202 Ordinary Differential Equations I 3 hrs

Laboratory Requirements
PHY 3802L Intermediate Physics Laboratory 3 hrs

4. Core Requirements: Advanced Level
■ Select one specialization
4.1 Education
■ Students in this specialization must declare and be admitted to the Science Education Minor.

Required: 19 hrs
PHY 4012 Teaching Introductory Physics 3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
■ Part-Time Student: $12.40 per term
■ Full-Time Student: $24.80 per term
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 15 hrs
- The elective courses will be selected with advisor approval.
  - PHY 3722C Physics Laboratory-Electronics 3 hrs
  - PHY 3752C Physics of Scientific Instruments 3 hrs
  - EMA 3014 Nanomaterials Characterization and Applications 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs
  - BSC 3424 Nanobiotechnology 3 hrs
  - OSE 3490 Nanochromatography 3 hrs
  - PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
  - PHI 4690 Ethics in Nanoscience and Nanotechnology 3 hrs
  - PHZ 5425C Electron Solid Interactions 3 hrs
  - PHZ 5445 Nanofabrication using Focused Ion Beam 3 hrs
  - PHY 5704 Physics of Nanoelectronics Devices 3 hrs

4.3 Biophysics
Required: 18 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering 3 hrs
- BSC 3424 Nanobiotechnology 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 9 hrs
- Select 9 credits from upper division biology or chemistry
- The elective courses will be selected with advisor approval.

Pre-meds are advised to take:
- PCB 3063 Genetics 3 hrs
- PCB 3083 Genetics Laboratory 1 hr
- PCB 3703C Human Physiology 4 hrs
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs

4.4 Information Technology / Data Science
Required: 18 hrs
- COP 3223C Introduction to Programming with C 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3330 Object Oriented Programming 3 hrs
- COP 4710 Database Systems 3 hrs
- CIS 3362 Cryptography and Information Security 3 hrs

Select 1:
- COT 3100C Introduction to Discrete Structures or
- MAD 2104 Foundations of Discrete Math 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from the following, or other approved upper division computer science, mathematics or engineering:
  - The elective courses will be selected with advisor approval.
    - CDA 3103C Computer Logic and Organization 3 hrs
    - COP 3402 Systems Software 3 hrs
    - COP 4516C Problem Solving Techniques and Team Dynamics 3 hrs

4.5 Technical Writing
Required: 15 hrs
- ENC 3280 Technical Writing Style 3 hrs
- ENC 4293 Documentation and the Collaborative Process 3 hrs
- ENC 4290 Usability Testing for Technical Communication 3 hrs
- ENC 4218 The Visual in Technical Documentation 3 hrs

Restricted electives: 9 hrs
- Select 9 credits from upper division PHY, PHZ, or AST courses.
- The elective courses will be selected with advisor approval.

Directed electives: 6 hrs
- Select 6 credits from upper division writing or communication courses:
  - The elective courses will be selected with advisor approval.
    - ENC 4241 Writing about Science and Technology 3 hrs
    - LIT 4433 Literature of Science and Technology 3 hrs
    - ENC 3314 Writing for Publication 3 hrs
    - ENC 3351 Writing for Publication 3 hrs
    - ENC 4262 International Technical Communication 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 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 year.
- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
Sophomore Year - Spring 15 hrs
- PHY 3002L Intermediate Physics Laboratory 3 hrs
- PHY 3323 Electricity and Magnetism I 3 hrs
- PHY 3513 Thermal and Statistical Physics 3 hrs
- Directed Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Fall 15 hrs
- PHY 3220 Mechanics I 3 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- Directed Elective 3 hrs
- GEP 3 hrs

Junior Year - Spring 15 hrs
- PHY 4604 Wave Mechanics I 3 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- Directed Elective 3 hrs
- Free Elective 1 hr

Junior Year - Fall 13 hrs
- PHY 4604 Wave Mechanics I 3 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- GEP 3 hrs
- Directed Elective 3 hrs
- Physics Test - Nationally Normed

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Directed Elective 3 hrs
- GEP 3 hrs
- Directed Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Political Science (B.A.)

College of Sciences

Department of Political Science,
Howard Phillips Hall, Room: 302
http://politicalscience.cos.ucf.edu
Email: politics@ucf.edu
Dr. Kerstin Hamann
Phone: 407-823-2608

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
  - POS 2041 American National Government 3 hrs
  - POS 3010 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)
   - 2. Statistics 3 hrs
     - Prefer STA 2014C Principles of Statistics or 3 hrs
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     - May substitute a higher level Statistics course.

2. Core Requirements: Basic Level
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken. POS 2041 American National Government 3 hrs

3. Core Requirements: Advanced Level
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken. POS 3703 Scope and Methods of Political Science 3 hrs

4. 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 one of the following courses may be considered part of area B credit:
     - INR 4351 International Environmental Law or 3 hrs
     - INR 4401 International Law or 3 hrs
     - INR 4404 Space Law 3 hrs
     - Two courses from Area A 6 hrs
     - Five courses from Area B 15 hrs
     - Two courses from Area C 6 hrs
     - One additional course from any Area 3 hrs

   **Track 3: Prelaw**
   - Please see Political Science - Prelaw Track

**Areas of Specialization**

**A. American Politics and Policy Area**
   - POS 3076 American Indian Politics or 3 hrs
   - POS 3122 State Government and Public Policy or 3 hrs
   - POS 3173 Southern Politics or 3 hrs
   - POS 3182 Florida Politics or 3 hrs
   - POS 3233 Public Opinion or 3 hrs
   - POS 3234 Protest in American Politics or 3 hrs
   - POS 3235 Mass Media and Politics or 3 hrs
   - POS 3258 Politics in Film or 3 hrs
   - POS 3273 Voting and Elections or 3 hrs
   - POS 3413 The American Presidency or 3 hrs
   - POS 3424 Congress and the Legislative Process or 3 hrs
   - POS 3433 Political Parties and Processes or 3 hrs
   - POS 3463 Interest Groups or 3 hrs
   - POS 3627 Cultural Pluralism and Law or 3 hrs
   - POS 3733 Designing Political Science Research or 3 hrs
   - POS 4030 The Politics of Sports or 3 hrs
   - POS 4074 Latino Politics or 3 hrs
   - POS 4142 Metropolitan Politics or 3 hrs
   - POS 4204 Political Behavior or 3 hrs
   - POS 4264 Judicial Process and Politics or 3 hrs
   - POS 4412 Presidential Campaigning or 3 hrs
   - POS 4603 American Constitutional Law I or 3 hrs
   - POS 4604 American Constitutional Law II or 3 hrs
   - POS 4622 Politics and Civil Rights or 3 hrs
   - PUP 3203 Environmental Politics or 3 hrs
   - PUP 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 4202 Sustainability or 3 hrs
   - PUP 4209 Urban Environmental Policy or 3 hrs
   - PUP 4323 Women and Public Policy or 3 hrs
   - PUP 4404 Education and Politics or 3 hrs
   - PUP 4503 Government and Science or 3 hrs
   - PUP 4510 Space Policy or 3 hrs
   - PUP 4602 Politics of Health or 3 hrs
   - PUP 4744 Government and Business or 3 hrs
   - PUP 4931 Topics in Public Policy or 3 hrs
   - PUP 5272 Civic Engagement or 3 hrs
   - PUP 4244 Political Socialization 3 hrs
INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4084 Politics of International Terrorism or 3 hrs
INR 4085 Women, Gender, and Globalization or 3 hrs
INR 4102 American Foreign Policy or 3 hrs
INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
INR 4114 American Security Policy or 3 hrs
INR 4115 Strategic Weapons and Arms Control or 3 hrs
INR 4224 Contemporary International Politics of Asia or 3 hrs
INR 4225 The Vietnam War or 3 hrs
INR 4243 International Politics of Latin America or 3 hrs
INR 4304 Issues in International Public Policy or 3 hrs
INR 4335 Coercion in International Politics or 3 hrs
INR 4350 Global Environmental Politics or 3 hrs
INR 4351 International Environmental Law or 3 hrs
INR 4364 The Intelligence Community or 3 hrs
INR 4401 International Law or 3 hrs
INR 4404 Space Law or 3 hrs
INR 4502 International Organizations or 3 hrs
INR 4714 Politics of International Trade Policy or 3 hrs
INR 4744 Militaries in World Politics or 3 hrs
INR 4764 Cyberwarfare Policy or 3 hrs
INR 4774 Military Space Policy or 3 hrs
POS 3733 Designing Political Science Research or 3 hrs
PUP 4510 Space Policy 3 hrs

4. Related Programs
- Economics
- History
- Diplomacy

5. Related Minors
- Economics
- History
- Sociology
- Philosophy

6. Advising Notes
- None

7. Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

8. Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

9. Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test ~ http://utc.sdes.ucf.edu/math/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall
- POS 2041 American National Government 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major
- Complete the Educational Testing Service Field Exam in Political Science during the student’s graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.
- No more than 9 credits of a combination of Honors in the Major, Independent Study, and Internship may be counted toward the major in Political Science, provided that no more than 50% of an Area be covered by such credits.

1. Introduction
2. Academic Program
3. University minimum requirements
4. Degree Requirements
5. Transfer Notes
6. Acceptable Substitutes for Transfer Courses
7. Plan of study
8. Advising notes
9. Freshman year - Fall
10. Departmental exit requirements
11. University minimum exit requirements
12. Honors in major

Total Semester Hours Required
- 120
**Freshman Year - Spring**  
15 hrs  
AMH 2020 U.S. History: 1877-Present 3 hrs  
ENC 1102 Composition II 3 hrs  
GEP 3 hrs  
GEP 3 hrs  
GEP 3 hrs  

**Sophomore Year - Fall**  
16 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
GEP 3 hrs  
Free Elective 3 hrs  
Foreign Language 4 hrs  

**Sophomore Year - Spring**  
16 hrs  
POS 3703 Scope and Methods of Political Science 3 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Foreign Language 4 hrs  
GEP 3 hrs  

**Junior Year - Fall**  
15 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  

**Junior Year - Spring**  
15 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  

**Senior Year - Fall**  
15 hrs  
Restricted Elective 3 hrs  
Restricted Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  

**Senior Year - Spring**  
13 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 3 hrs  
Free Elective 1 hr  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html  

**Equipment Fees**  
- Part-Time Student: $5 per term  
- Full-Time Student: $10 per term  

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**Political Science - Prelaw Track (B.A.)**  
**College of Sciences**  
Department of Political Science,  
Howard Phillips Hall, Room: 302  
Email: politics@ucf.edu  
Dr. Roger Handberg  
Phone: 407-823-2608  

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major. Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Sciences Prelaw Advisor. The following represent a suggested curriculum which both meets the requirements for a Political Science degree while preparing you for professional school.

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**Admission Requirements**  
- None  

**Degree Requirements**  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Co-op or internship credit cannot be used in this major without prior departmental approval.  
- Students should consult with a departmental advisor.  
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.  
- All prerequisites of courses taught within the College of Sciences will be enforced.  
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.  

**Double major/dual degree policy in Political Science programs and minors**  
- 1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses;  
  - POS 2041 American National Government 3 hrs  
  - POS 3703 Scope and Methods of Political Science 3 hrs  

- 2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.  

1. **UCF General Education Program (GEP)** (36 hrs)  
   **A: Communication Foundations** (9 hrs)  
   - Required ENC 1101 Composition I 3 hrs  
   - Prefer ENC 1102 Composition II 3 hrs  
   - POS 3703 Scope and Methods of Political Science 3 hrs  
   - Prefer ENC 1102 Composition II 3 hrs  
   - Communication 3 hrs  

   **B: Cultural & Historical Foundations** (9 hrs)  
   - For students doing Option 1 3 hrs  
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs  

   For students doing Option 2:  
   - Prefer EUH 2001 Western Civilization II or 3 hrs  
   - Prefer WOH 2022 World Civilization II or 3 hrs  
   - Select two courses from B. 2. 6 hrs  

2. **Mathematical Foundations** (6 hrs)  
   - Math: 3 hrs  
   - Prefer MGF 1106 Finite Mathematics or 3 hrs  
   - Prefer MGF 1107 Explorations in Mathematics or 3 hrs  
   - May substitute a higher level math with appropriate scores on the Math Placement Test. 3 hrs  

3. **Statistics:** 3 hrs  
   - Prefer STA 2014C Principles of Statistics or 3 hrs  
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs  
   - May substitute a higher level statistics course. 3 hrs  

4. **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  

5. **Science Foundations** (6 hrs)  
   - For students doing Option 1 3 hrs  
   - For students doing Option 2:  
     - Prefer STA 2014C Principles of Statistics or 3 hrs  
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs  
     - May substitute a higher level statistics course. 3 hrs  

6. **Core Requirements: Basic Level**  
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.  
   - POS 2041 American National Government GEP/CPP
UCF Degree Programs

4. Core Requirements: Advanced Level (3 hrs)
   - Courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   - POS 3703 Scope and Methods of Political Science
   - POS 4284 Judicial Process and Politics

5. Restricted Electives (27 hrs)
   Select from the following courses: 3 hrs
   - POS 4803 American Constitutional Law I
   - POS 4804 American Constitutional Law II
   - INR 4401 International Law
   - INR 4714 Politics of International Trade Policy
   - INR 4744 Militaries in World Politics
   - INR 4774 Military Space Policy
   - PUP 4503 Government and Science
   - PUP 4510 Space Policy
   - PUP 4511 Topics in Public Policy
   - CPO 4710 Women in Comparative Politics
   - CPO 4754 Comparative Political Institutions
   - CPO 4784 Political and Economic Inequality in Comparative Perspective
   - INR 4794 Indigenous Politics and the Environment
   - GEO 3471 World Political Geography
   - INR 4008 Global Perspectives
   - INR 2002 International Relations-Theory and Practice

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirement
   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: For students who excel, a limited number of internships may be available each semester for a total of six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.
- The following courses are not required, but serious students should consider taking these as free electives.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - BUL 3130 Legal and Ethical Environment of Business 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - LIN 4105 History of the English Language 3 hrs
  - MTH 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 4941 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
- Complete the Educational Testing Service Field Exam in Political Science during the student's graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- 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.

Certificates
- Diplomacy

Related Programs
- Economics
- History
- Philosophy
- Legal Studies
- Criminal Justice

University of Central Florida

UCF Degree Programs

Undergraduate Catalog 2015-2016
UCF Degree Programs

Senior Year - Spring 13 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 3 hrs
Supporting Elective 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/academiclearningcompacts.html

Psychology (B.S.)
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://www.psychology.cos.ucf.edu
Email: psychadvising@ucf.edu
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 Psychology Advising Center, prior to applying for graduation (before registration for the final term).
- Graduating seniors should complete the senior exit survey
- Additional requirements exist for students pursuing the Honors in the major program.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - 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.
   - Required:
     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.
     - Prefer MAC 1105C College Algebra 3 hrs
     Statistics: 3 hrs
     - Required STA 2023 Statistical Methods I or STA 2041C Principles of Statistics 3 hrs
   - D: Social Foundations (6 hrs)
     Social Sciences: 3 hrs
     - Required PSY 2012 General Psychology 3 hrs
     Political Science/Economics 3 hrs
     - Select one of the listed choices 3 hrs

   E: Science Foundations (6 hrs)
   - Biology: 3 hrs
     - Select the advanced option if additional biology courses are planned.
     - Required:
       BSC 1005 Biological Principles or BSC 2010C Biology I 3 hrs
       BSC 1005 Biological Principles or BSC 2010C Biology I 4 hrs
   - Physical or Chemical: 3 hrs
     - Choose 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.

   Psychology:
   - PSY 2012 General Psychology GEP
   - DEP 2004C Developmental Psychology 3 hrs
   - Biology:
     - Select the advanced course if additional biology courses are planned.
     - BSC 1005 Biological Principles or BSC 2010C Biology I GEP
   - Statistics:
     - STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level
   - Most courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.
   - Psychology:
     - PSY 2012 General Psychology GEP
   - Biology:
     - BSC 1005 Biological Principles or BSC 2010C Biology I GEP
   - Statistics:
     - STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (18 hrs)
   - Psychology Cornerstone: Career Paths 2 hrs
   - PSY 3204C Statistical Methods in Psychology 4 hrs
   - PSY 3213C Research Methods in Psychology 5 hrs
   - PSB 3002 Physiological Psychology 3 hrs
   - PSY 4604 History and Systems of Psychology 3 hrs
   - PSY 4049 Psychology Capstone 1 hr

5. Restricted Electives (33 hrs)
   - A. Experimental: Select from the following: 6 hrs
     - EXP 3404C Basic Learning Processes or EXP 3404C Perceptual or EXP 3404C Cognitive Psychology or 3 hrs
     - PSB 4240C Neuropsychology or 4 hrs
     - PSY 3204C Research Methods in Psychology 4 hrs
     - PSB 3002 Physiological Psychology 3 hrs
     - DEP 2004C Developmental Psychology or 3 hrs
     - DEP 3464 Psychology of Aging 3 hrs
   - B. Personality/Social: Select from the following: 3 hrs
     - PPE 3003 Personality Theory and Research or 3 hrs
     - SOP 3004C Social Psychology 3 hrs
   - C. Developmental: Select from the following: 3 hrs
     - DEP 2004C Developmental Psychology 3 hrs
     - DEP 3202 Psychology of Exceptional Children or 3 hrs
     - DEP 3464 Psychology of Aging 3 hrs
   - D. Diversity: Select from the following: 3 hrs
     - CLP 3184 Women's Mental Health or 3 hrs
     - SOP 3742 Psychology of Women or 3 hrs
     - SOP 3723 Cross Cultural Psychology or 3 hrs
     - SOP 3724 Psychology of Prejudice or 3 hrs
     - SOP 3764 Psychology of Diversity 3 hrs

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E. Applied: Select from the following: 3 hrs
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004 Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 9 hrs
- Select additional courses from those taught by the Psychology department
- NOTE: The following courses will NOT fulfill this requirement.
  - INP 3141C Advanced Applied Psychology or 1 hr
  - INP 3951 Industrial/Organizational Field Work or 3 hrs
  - PSY 3905 Directed Independent Study or 1 hr
  - PSY 4906 Directed Independent Study or 1 hr
  - PSY 4912 Directed Independent Research 1 hr

G. Math/Science Electives: Select from the following: 6 hrs
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites
  - ANT 3541 Biobehavioral Anthropology or 3 hrs
  - ANT 3550C Primatology or 3 hrs
  - PSC 1121 Physical Science or 3 hrs
  - PHY 2053C College Physics I or 4 hrs
  - CHM 1020 Concepts in Chemistry or 3 hrs
  - COP 3223C Introduction to Programming with C or 3 hrs
  - COP 3502C Computer Science I or 3 hrs
  - COP 3503H Honors Computer Science II or 3 hrs
  - MAC 2233 Concepts of Calculus or 3 hrs
  - MAC 2253 Applied Calculus or 3 hrs
  - PCB 3703C Human Physiology or 4 hrs
  - STA 4102 Computer Processing of Statistical Data or 3 hrs
  - STA 4163 Statistical Methods II or 3 hrs
  - STA 4164 Statistical Methods III or 3 hrs
  - BSC 1050 Biology and Environment or 3 hrs
  - BSC 2011C Biology II or 4 hrs
  - BSC 4312C Advanced Marine Biology or 4 hrs
  - PCB 3063 Genetics or 3 hrs
  - ENV XXXX Any ENV prefix course or 3 hrs
  - GEO XXXX Any GEO prefix course or 3 hrs
  - MCB XXXX Any MCB prefix course or 3 hrs
  - ZOO XXXX Any ZOO prefix course or 3 hrs
  - BSC 4312C Advanced Marine Biology or 4 hrs

6. Capstone Requirements
- PSY 4049 Psychology Capstone 1 hr

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

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 used to satisfy the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
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
- Sociology
- Anthropology
- Statistics
- Criminal Justice

Certificates
- Behavioral Forensics

Related Minors
- Psychology
- Sociology
- Anthropology
- Mathematics
- Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available Monday and Friday from 9 to 5.

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
  - Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
  - DEP 2004C; any lower level DEP course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

Plan of Study
- This is one of numerous possible plans of study.
- See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Although all courses are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 15 hrs
- PSY 2012 General Psychology 3 hrs
- ENC 1101 Composition I 3 hrs
- GEP-Math 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
UCF Degree Programs

Freshman Year - Spring 15 hrs
- Biology 3 hrs
- Statistics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs
- Psychology Cornerstone 2 hrs

Sophomore Year - Fall 16 hrs
- DEP 2004C Developmental Psychology 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Spring 15 hrs
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Foreign Language 4 hrs
- GEP 3 hrs

Junior Year - Fall 16 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- Elective / Minor 3 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Psychology Capstone 1 hr
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
- PSY 4604 History and Systems of Psychology 3 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $13.00 per term
- Full-Time Student: $26 per term

Public Administration (B.A./B.S.)
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin/
Dr. Michael Abels, michael.abels@ucf.edu
Phone: 407-823-2604

The School of Public Administration provides the highest quality undergraduate education for students interested in working in the public and private sectors, as well as, nonprofit organizations. The school strives to achieve local, state and national prominence through contemporary curriculum, innovative instruction, scholarly and applied research, and community service. Programs and services develop and enhance management skills essential to public and nonprofit organizations oriented towards an evolving metropolitan environment. The school offers an undergraduate program leading to a Bachelor of Arts (BA) or a Bachelor of Science (BS) in Public Administration. The program provides opportunities for students to prepare for employment as public administrators and produces graduates with the public management skills and analytical techniques needed for successful careers in government, nonprofit and related business fields.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.
- Students should consult with a departmental advisor on a regular basis.
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- Students must earn a 2.5 GPA in the major (all PAD Courses) in order to graduate.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Required CGS 1060C Introduction to Computers 3 hrs
   - D: Social Foundations (6 hrs)
     - Required POS 2041 American National Government 3 hrs
   - E: Science Foundations (6 hrs)
   - 2. Common Program Prerequisites (CPP) (3 hrs)
     - See “Common Prerequisites” in the Transfer and Transition Services section
     - CGS 1060C Introduction to Computers GEP
     - POS 2041 American National Government GEP
     - Select 1: 3 hrs
       - ECO 2013 Principles of Macroeconomics or 3 hrs
       - ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (24 hrs)

All core requirements must be completed with a minimum major GPA of (2.5) to satisfy the major.

- PAD 3003 Public Administration in American Society 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Human Resource Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD 4941 Public Administration Internship 3 hrs

5. Restricted Electives (24 hrs)
- Required Minor or Certificate in the School of: 18 hrs
  - Public Administration
    - Students must complete a minor or certificate from the School of Public Administration offered at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning. Excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.
  - Supporting Upper-Division Electives 6 hrs
    - Students pursuing the B.A. degree must complete six upper-level credits. These courses may be taken from the School of Public Administration or outside the School of Public Administration, as long as the prerequisites have been met.
Students pursuing the B.S. degree must complete six upper-level credits. These courses must be selected from the approved list of courses provided by the School of Public Administration.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to two semesters or one year at the college level, beyond University requirement. ASL I, II, and III can also be used to fulfill this requirement.

8. Electives

- Students are encouraged to select courses as electives or other courses that will enhance their background in the public administration field. These may be used to build minors and certificates offered by the University. Examples include: Business, Criminal Justice, Diplomacy, Economics, Environmental Studies, Florida Studies, Global Peace and Security Studies, Health Services Administration, Leadership Studies, Legal Studies, Political Science, Social Work, and Terrorism Studies.

- The University requires 48 upper-level credits in order to graduate, students choosing the Nonprofit Management minor with the Generalist Emphasis may need to take additional upper-level electives to satisfy the University requirement.

9. Additional Requirements

- None

10. Required Minors

- Students must complete a minor or certificate from the School of Public Administration offers at UCF. Choose from: Emergency Management and Homeland Security; Nonprofit Management or the Certificate in Nonprofit Management; and Urban and Regional Planning. Excluding the minor in Public Administration. The minor cannot overlap with any other major requirement, PAD Core or BS required course.

11. Departmental Exit Requirements

- The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).

- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

- Students must earn a 2.5 GPA in the major in order to graduate.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF.

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors in Major

- Admission: Applications to the Honors in the Major program must be approved by the Associate Dean of the Honors College and a Faculty Advisor in the School of Public Administration.

Related Programs

- Business Administration

- Criminal Justice

- Economics

- Health Services Administration

- Legal Studies

- Management

- Political Science

- Social Work

Certificates

- None

Related Minors

- Business

- Criminal Justice

- Diplomacy

- Economics

- Entrepreneurship

- Environmental Studies

- Florida Studies

- Health Services Administration

- International and Global Studies

- Leadership Studies

- Legal Studies

- Political Science

- Terrorism Studies

Advising Notes

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.

Transfer Notes

- Florida College System students are advised to complete the Associate of Arts degree, to include the general education requirements and the common program prerequisites.

- Lower division courses do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be formally evaluated for equivalency credit. The student must provide a course syllabus and any additional supporting documentation with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for the School of Public Administration programs include American National Government (POS2041), Macroeconomics (ECO2013), Microeconomics (ECO2023), Statistics (STA2014 or STA2023), and Introduction to Computer (CGS1000, CGS1060, or CGS2100).

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the Public Administration program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- This is one of numerous possible plans of study.

- Although all classes are listed as being taken during the academic year, you may take classes during the summer semester.

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 1060C</td>
<td>Introduction to Computers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Cultural</td>
<td></td>
<td>3 hrs</td>
</tr>
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</table>

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Communication</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Social</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Sophomore Year - Fall 15 hrs
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Historical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Sophomore Year - Spring 15 hrs
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003 Public Administration in American Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3733 Professional Administrative Writing in the Public Sector</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Historical</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Junior Year - Fall 15 hrs
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4104 Administrative Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4414 Human Resource Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD Required Minor Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD Required Minor Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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Junior Year - Spring 15 hrs
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>PAD 4034 The Administration of Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4720 Survey Research in Public Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD Required Minor Course</td>
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<tr>
<td>PAD Required Minor Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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</table>

Senior Year - Fall 15 hrs
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4941 Public Administration Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD Required Minor Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD Required Minor Course or Free Elective</td>
<td>3 hrs</td>
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<tr>
<td>Supporting Upper-Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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</table>

Senior Year - Spring 15 hrs
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4204 Fiscal Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD Required Minor Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Upper-Division Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Radio - Television (B.A.)

College of Sciences

Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
Email: radiotv@ucf.edu
Dr. Tim Brown, Area Coordinator, timbrown@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Admission Requirements
- The Radio-Television program is a limited access program that requires a separate application.
- Students should apply to become Radio-Television majors only after completing all requirements for admission.
- Attain an overall minimum 2.25/4.00 GPA based on a minimum of 30 credit hours of college work. Note: meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis. The GPA cut-off varies each term with the quality of applicants, and during previous years, ranged upward from a minimum of 2.9.
- Receive a positive evaluation of other factors specified by the Nicholson School of Communication.
- See an NSC advisor for additional admission criteria.
- For admission to the program, students must complete or be enrolled into and complete, RTV 3007 with at least a “C” (2.0) or better (if in progress at the time of admission, students who do not earn a “C” (2.0) or better will be removed from the program).

- Meet a grammar proficiency standard (“B” (3.0) grades or better in the following courses or pass the grammar proficiency exam).
  ENC 1101 Composition I 3 hrs
  ENC 1102 Composition II 3 hrs

Application Deadlines:
- October 1 to be admitted the next spring term;
- February 1 to be admitted the next summer term;
- June 1 to be admitted the next fall term.

Degree Requirements
- Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.
- Students who change degree programs (other than from Radio-TV Pending) and select this major must adopt the most current catalog.
- Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor’s approval.
- Internship credit may be used in this major with prior school permission.
- Co-op credit may be used in this major with prior approval from an R-TV advisor.
- Students must consult with a school advisor.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the disciplines represented within the Nicholson School of Communication.
- Of these 80 hours, 56 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Radio-TV majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- Students seeking to change tracks once accepted into the major, must re-apply to the R-TV major under the new, desired track.
- A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.
- A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internships are available during “C” term only.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Required SPC 1608 Fundamentals of Oral Communication or Fundamentals of Technical Presentations 3 hrs
- Required SPC 1603C Fundamentals of Oral Communication or Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Select two courses from GEP B2 6 hrs

C: Mathematical Foundations (6 hrs)
- Math: 3 hrs
  - You may substitute a higher level math with appropriate scores on the Math Placement Test.
### Core Requirements: Basic Level (15 hrs)

- **Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.**
- **Must complete 120 credit hours required by that specialization.**

**D: Social Foundations**
- Prefer: POS 2041 American National Government 3 hrs
- Select a listed course 3 hrs

**E: Science Foundations** (6 hrs)

**2. Common Program Prerequisites (CPP)**
- None
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

**3. Core Requirements: Basic Level** (15 hrs)
- These courses may be taken before applying to the major.
- **Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.**
- **Must complete 120 credit hours required by that specialization.**

**4. Core Requirements: Advanced Level** (3 hrs)
- These courses are only available to students who have been accepted into the major.
- **Reminder: must earn at least a “C” (2.0) for all core requirements and restricted electives in the major.**

**5. Restricted Electives**
- **Specialization: Select one area and complete the credit hours required by that specialization.**
- **Must earn at least a “C” (2.0) or better in each core requirement and restricted elective in the major.**

#### A. Production 18 hrs

Select from the following: 18 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTV 3556C</td>
<td>Audio Production I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3543C</td>
<td>Studio Television Production</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RTV 3581C</td>
<td>Lighting for Video</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3531C</td>
<td>Single Camera Video Production and Editing</td>
<td>4 hrs</td>
</tr>
<tr>
<td>RTV 3571C</td>
<td>Advanced Video Post-Production or Editing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3590C</td>
<td>Production of Interactive Multimedia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4557C</td>
<td>Audio Production II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4591C</td>
<td>Webcasting I or Webcasting II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4592C</td>
<td>Television Directing or Production and Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4561C</td>
<td>Radio Production and Programming</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. **May be taken for a maximum of 3 hours.**

#### B. Broadcast Generalist 18 hrs

Select from the following: 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 4103</td>
<td>Radio-Television Advertising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 3015</td>
<td>Principles of Journalism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3330</td>
<td>Computer Mediated Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 4263</td>
<td>New Media Technologies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3601C</td>
<td>Broadcast Announcing and Performance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3590C</td>
<td>Production of Interactive Multimedia</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 45561C</td>
<td>Radio Production and Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4700</td>
<td>Regulation of Broadcasting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. **May be taken for a maximum of 3 hours.**

### Five-Year Plan

**Select from the following:** 6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADV 3008</td>
<td>Principles of Advertising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3110</td>
<td>Business and Professional Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 3630</td>
<td>Social Media as Mass Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4000</td>
<td>Public Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 4503</td>
<td>Sports Programming in Electronic Media</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. **May be taken for a maximum of 3 hours.**

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- Met by graduation requirement.

### Graduation

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 56 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

### 8. Electives

- **Select primarily from upper level courses, with school advisor's approval.** Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 56 hour Liberal Arts requirement.

### 9. Additional Requirements

- None

### 10. Required Minors

- **Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.**

- The following minors are suggested to complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - Digital Media
  - Film - Cinema Studies
  - English - Writing
  - Political Science
  - Sociology
  - Theatre

### 11. Departmental Exit Requirements

- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses used to satisfy the major.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required

- 120

### Honors in Major

- None

### Related Programs

- Advertising/Public Relations
- Digital Media
- Digital Media - Web Design Track
- Digital Media - Visual Language Track
### UCF Degree Programs

- **Film**
- **Journalism**
- **Theatre**

### Certificates
- **None**

### Related Minors
- **None**

**NOTE:** Minors taught within the Nicholson School of Communication are not open to R-TV majors.

- **Digital Media**
- **Film - Cinema Studies**
- **Marketing**
- **Theatre**

### Advising Notes
- **None**

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- **None**

### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a school advisor for alternate, new, or more appropriate selections.
- Consult the school for detailed plans of study for each specialization.
- Although most classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

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

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- 1 CGS 2100C Computer Fundamentals for Business 3 hrs
- Foreign Language 4 hrs

1 See alternatives

### Sophomore Year - Fall
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-Minor 3 hrs

### Sophomore Year - Spring
- Apply for admission by Feb 1
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective-outside of NSC 3 hrs
- Elective-minor 3 hrs

### Junior Year - Fall
- If admitted, take...
- RTV 3511 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 2100 Writing for the Electronic Media 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- Elective-minor 3 hrs
- Elective-outside of NSC 3 hrs

### Junior Year - Spring
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs

### Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective-Minor 3 hrs
- Elective-outside of NSC 3 hrs

### Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective, or
- Elective-Minor 3 hrs
- Elective-outside of NSC 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### 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**


Phone: 407-823-3575

The study of real estate prepares students for careers in commercial & residential real estate development and sales. Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements
- Completion of the UCF General Education program and Gordon Rule, or an AA degree from a Florida College System or State University System institution, and completion of each Common Program Prerequisite course with a "C" (2.0) or better.
- Completion of the following courses at UCF or at an AACSB accredited institution: ECO 3411, MAR 3023, FIN 3403, MAN 3025, and ACG 3173, with a GPA of "C" (2.0) or better. One course may be repeated one time in the next term of enrollment to meet these requirements.
- See Common Program Prerequisites

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students wanting to major in real estate must apply for admission to the major.
- Any student receiving a business degree must complete a minimum of 30 of the 58 upper level business hours for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- For students seeking a double major within the College of Business, a maximum of 6 hours of Required Courses for the Major or Restricted Electives may count towards another business major.
- A maximum of 6 hours of Core Requirements or Restricted Electives may count towards another degree program or minor.
Students in the Real Estate major must maintain a 2.0 or higher cumulative Grade Point Average in all major courses taken at UCF and a 2.0 or higher cumulative GPA in all College of Business courses taken at UCF. Failure to maintain the required GPAs will result in the student being placed on Lack of Progress in the major and/or College. If a student on Lack of Progress fails to achieve the minimum required GPA in the subsequent term of enrollment, the student will be dismissed from the Real Estate major and/or College of Business. A student who is dismissed may seek reconsideration by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving the required GPA. Readmission is not automatic or guaranteed and as an exception to College policy is rarely granted.

Students majoring in Real Estate must earn a grade of “C” (2.0) or better in the following course and each course applied towards the major:

- FIN 3403 Business Finance 3 hrs

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

#### A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

#### C: Mathematical Foundations (6 hrs)
- Required MAC 1105C College Algebra 3 hrs

#### D: Social Foundations (6 hrs)

- Select 1: 3 hrs
  - Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

- Select 1: 3 hrs
  - Suggested ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

#### E: Science Foundations (6 hrs)
- Required ECO 2023 Principles of Microeconomics 3 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
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

- Required CGS 2100C Computer Fundamentals for Business 3 hrs

- Select one of the following sequences of courses:
  - Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401
    - ECO 3401 Quantitative Business Tools I 3 hrs

- or
  - MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

- 1 Or MAC 2311C and MAC 2312

### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level (37 hrs)

#### Primary Core
- ACG 3173 Accounting for Decision-Makers 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs

#### Secondary Core
- GEB 3903 Career Research & Planning 1 hr
- GEB 3005 Career Search Strategy 1 hr
- BUL 3130 Legal and Ethical Environment of Business 3 hrs
- GEB 3375 Introduction to International Business 3 hrs
- MAR 3203 Supply Chain and Operations Management 3 hrs
- GEB 4223 Business Interviewing Techniques 1 hr
- GEB 4004 Executing Your Career Plan 1 hr

#### 5. Restricted Electives (18 hrs)

**Select 5:** 15 hrs

- 1 FIN 3414 Intermediate Corporate Finance 3 hrs
- 1 FIN 3303 Financial Markets 3 hrs
- 1 FIN 3504 Investment Analysis 3 hrs
- 1 MAR 3391 Professional Selling 3 hrs
- 1 MAR 3614 Environmental Issues for Real Estate 3 hrs
- 1 REE 4103 Real Estate Appraisal and Valuation 3 hrs
- 1 REE 4203 Commercial Real Estate Finance 3 hrs
- 1 REE 4204 Residential Real Estate Finance 3 hrs
- 1 REE 4303 Real Estate Investment Analysis 3 hrs
- 1 REE 4732 Real Estate Development 3 hrs
- 1 REE 4941 Internship 1 hr
- 1 REE 4903H Honors Directed Readings I 1 hr
- 1 REE 4970H Undergraduate Honors Thesis 1 hr
- 1 REE 4933 Advanced Topics in Real Estate 3 hrs

1 Restricted to students who meet finance major admission qualifications.
2 Internship course requires an overall GPA of 2.75 and a 3.0 GPA in the major.
3 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.

### 6. Capstone Requirements (3 hrs)
- An approved Intent to Graduate must be on file in order to register for MAN 4720.
  - MAN 4720 Strategic Management 3 hrs

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

### 8. Electives
- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- A minimum major GPA of 2.0 and a minimum College of Business GPA of 2.0.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 120

**Honors In Major**

- Eligibility: Requirements for admission to the Honors in the Major program are: completion of at least 60 credit hours, completion of at least 12 upper division hours, at least a 3.5 GPA in the major, at least a 3.2 upper-division GPA, and at least two semesters remaining prior to graduation.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Director of the Dr. Phillips School of Real Estate and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.
Freshman Year - Spring 15 hrs
ACG 2021 Principles of Financial Accounting 3 hrs
SFC 1608 Fundamentals of Oral Communication 3 hrs
Historical Foundation I 3 hrs
Science 3 hrs
Elective 3 hrs

Sophomore Year - Fall 15 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 3401 Quantitative Business Tools I 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
Historical Foundation II 3 hrs
Science 3 hrs

Sophomore Year - Spring 15 hrs
ACG 3173 Accounting for Decision-Makers 3 hrs
ECO 3411 Quantitative Business Tools II 3 hrs
MAN 3025 Management of Organizations 3 hrs
MAR 3023 Marketing 3 hrs
FIN 3403 Business Finance 3 hrs
GEB 3003 Career Research & Planning 1 hr

Junior Year - Fall 14 hrs
GEB 3375 Introduction to International Business 3 hrs
REE 3043 Fundamentals of Real Estate 3 hrs
REE 3433 Real Estate Law 3 hrs
FIN 2100 Personal Finance and Investments 3 hrs
GEB 3005 Career Search Strategy 1 hr
Free Elective 2 hrs

Senior Year - Fall 16 hrs
REE Elective 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs
BUL 3130 Legal and Ethical Environment of Business 3 hrs
Business Elective 3 hrs
GEB 4223 Business Interviewing Techniques 1 hr

Senior Year - Spring 13 hrs
MAN 4720 Strategic Management 3 hrs
MAR 3023 Supply Chain and Operations Management 3 hrs
REE Elective 3 hrs
REE Elective 3 hrs
GEB 4004 Executing Your Career Plan 1 hr

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/academiclearningcompacts.html

Equipment Fees
Part-Time Student: $25.00 per term
Full-Time Student: $50.00 per term

Religion and Cultural Studies (B.A.)
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: religion@ucf.edu
Dr. Sabatino Dibernardo, sabatino.dibernardo@ucf.edu
Phone: 407-929-2273

Religion and Cultural Studies is a BA program designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.
### UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations (9 hrs)**
- HUM 2210 Humanistic Tradition I 3 hrs
- Required HUM 2230 Humanistic Tradition II 3 hrs
- Required REL 2300 World Religions 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**
- Required HUM 2210 Humanistic Tradition I 3 hrs

**C: Mathematical Foundations (6 hrs)**
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

### Core Requirements: Basic Level (24 hrs)

**1. UCF General Education Program (GEP)**

**2. Common Program Prerequisites (CPP)**
- None

**3. Core Requirements: Basic Level**
- HUM 2210 Humanistic Tradition I 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- REL 2300 World Religions 3 hrs

### Studying Religion and Culture (3 hrs)
- REL 2000 Introduction to Religious Studies 3 hrs

### Core Requirements: Advanced Level (24 hrs)

**Traditions (9 hrs)**
- Must select at least one in each category
  - **Abrahamic Traditions (3 hrs)**
    - JST 3401 Jewish People in Antiquity or 3 hrs
    - REL 3403 Christianity or 3 hrs
    - REL 3363 Islam or 3 hrs
    - REL 3320 Moses, Jesus and Muhammad or 3 hrs
    - REL 3432 Roots of Western Mysticism 3 hrs
  - **Asian and Indigenous Traditions (3 hrs)**
    - ANT 3245 Native American Religions or 3 hrs
    - REL 3340 Buddhist Thought or 3 hrs
    - REL 3333 Hinduism or 3 hrs
    - REL 3123 Asian Religions in America 3 hrs

**Theories and Methods (6 hrs)**
- Must select one in each category
  - **Religion (3 hrs)**
    - REL 4157 Religion and Psychoanalysis or 3 hrs
    - PHI 3700 Philosophy of Religion or 3 hrs
    - PHI 3720 Faith and Reason or 3 hrs
    - REL 4936 Key Figures in Religion and Cultural Studies or 3 hrs
    - REL 4496 Key Concepts in Religion and Cultural Studies 3 hrs
  - **Cultural Studies (3 hrs)**
    - HUM 3805 Critical Theory in the Humanities or 3 hrs
    - HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs
    - HUM 4459 American Cultural Studies in Humanities or 3 hrs
    - HUM 4823 Queer Theory in the Humanities or 3 hrs

**Statistics-Computers (3 hrs)**
- Select a course from GEP C.2 list or 3 hrs

**D: Social Foundations (6 hrs)**
- Suggested MGF 1107 Explorations in Mathematics or 3 hrs

**E: Science Foundations (6 hrs)**
- Suggested MGF 1106 Finite Mathematics or 3 hrs

### Restricted Electives (6 hrs)
- Any two from Traditions, Theories and Methods, or Religion in Culture not being used to satisfy those categories can be used here.

### Capstone Requirements
- REL 4910 Senior Research Seminar 3 hrs

### Foreign Language Requirements
- None

### Additional Requirements
- None

### Required Minors
- None

### Departmental Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A 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.

### University Minimum Exit Requirements
- 120 Honors in Major
- Students considering graduate school in Religion and Cultural Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:
  - Core, Elective Requirements, and Senior Seminar 36 hrs
  - Same requirement as for regular majors
## Honors Degree Programs

**Honors Thesis** 6 hrs  
REL 4903H Honors Directed Readings I 3 hrs  
REL 4970H Undergraduate Honors Thesis 3 hrs

### Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.  
- Fulfill University requirements for Honors in the Major.  
- Maintain a UCF GPA of at least 3.2 and a Religion and Cultural Studies GPA of at least 3.5.  
- Successful completion and oral defense of Honors Thesis.

- Earn a “B” (3.0) or better in both of the following:
  - REL 4903H Honors Directed Readings I 3 hrs  
  - REL 4970H Undergraduate Honors Thesis 3 hrs

### Related Programs
- Interdisciplinary Studies  
- Philosophy  
- Humanities and Cultural Studies

### Certificates
- None

### Related Minors
- Humanities and Cultural Studies  
- Judaic Studies  
- Philosophy

### Advising Notes
- None

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs  
- HUM 2210 Humanistic Tradition I 3 hrs  
- MGF 1106 Finite Mathematics 3 hrs  
- REL 2300 World Religions 3 hrs  
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

#### Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs  
- HUM 2230 Humanistic Tradition II 3 hrs  
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs  
- Restricted Elective 3 hrs  
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

#### Sophomore Year - Fall 15 hrs
- GEP 3 hrs  
- GEP 3 hrs  
- Restricted Elective 3 hrs  
- REL 2000 Introduction to Religious Studies 3 hrs

#### Sophomore Year - Spring 15 hrs
- GEP 3 hrs  
- GEP 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs

#### Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs

#### Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs

### Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs

#### Senior Year - Spring 15 hrs
- REL 4910 Senior Research Seminar 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oetas.ucf.edu/academiclearningcompacts.html](http://www.oetas.ucf.edu/academiclearningcompacts.html)

### Restaurant and Foodservice Management (B.S.)
- Rosen College of Hospitality Management
- Department of Foodservices and Lodging Management, 9907 Universal Boulevard, Orlando, FL 32819
- [http://www.hospitality.ucf.edu](http://www.hospitality.ucf.edu)
- Email: hospitality@mail.ucf.edu
- Dr. Joe Hutchinson, Department Chair  
- Dr. Abraham Pizam, Dean  
- Phone: 407-903-8000

### Admission Requirements
- None

### Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

#### 1. UCF General Education Program (GEP) (36 hrs)
- **A: Communication Foundations** (9 hrs)
  - Required MAC 1105C College Algebra 3 hrs

#### 2. Common Program Prerequisites (CPP) (7 hrs)
- **Required**
  - HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
  - FSS 2221C Techniques of Food Preparation 4 hrs

#### 3. Core Requirements: Basic Level
- **MAC 1105C College Algebra**

#### Select 1:
- **CGS 2100C Computer Fundamentals for Business or GEP**
  - 3 hrs

#### Select 1:
- **ECO 2013 Principles of Macroeconomics or GEP**
  - 3 hrs

#### Select 1:
- **ECO 2023 Principles of Microeconomics or GEP**
  - 3 hrs

#### Select 1:
- **Required**
  - PSY 2012 General Psychology or GEP
  - SYG 2000 Introduction to Sociology or GEP
  - ANT 2000 General Anthropology or GEP

#### E: Science Foundations (6 hrs)
- **Required**
  - FSS 2221C Techniques of Food Preparation 4 hrs

#### 2. Common Program Prerequisites (CPP) (7 hrs)
- **Required**
  - MAC 1105C College Algebra 3 hrs

#### Related Minors
- Humanities and Cultural Studies  
- Judaic Studies  
- Philosophy

### Related Programs
- Interdisciplinary Studies  
- Philosophy  
- Humanities and Cultural Studies

### Certificates
- None

### Related Minors
- Humanities and Cultural Studies  
- Judaic Studies  
- Philosophy

### Advising Notes
- None

### Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs  
- HUM 2210 Humanistic Tradition I 3 hrs  
- MGF 1106 Finite Mathematics 3 hrs  
- REL 2300 World Religions 3 hrs  
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

#### Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs  
- HUM 2230 Humanistic Tradition II 3 hrs  
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs  
- Restricted Elective 3 hrs  
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

#### Sophomore Year - Fall 15 hrs
- GEP 3 hrs  
- GEP 3 hrs  
- Restricted Elective 3 hrs  
- REL 2000 Introduction to Religious Studies 3 hrs

#### Sophomore Year - Spring 15 hrs
- GEP 3 hrs  
- GEP 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs

#### Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs

#### Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs
UCF Degree Programs

1. Departmental Exit Requirements

2. Required Minors

3. Additional Requirements

4. Core Requirements: Advanced Level (51 hrs)

   a. Hospitality Core Requirements 30 hrs

   - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   - HFT 2500 Hospitality and Tourism Marketing 3 hrs
   - HFT 2220 Hospitality Human Resources Management 3 hrs
   - HFT 3444 Hospitality Information Systems 3 hrs
   - HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
   - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
   - HFT 3540 Guest Services Management I 3 hrs
   - HFT 4464 Hospitality Industry Finance 3 hrs
   - HFT 4286 Hospitality Communications 3 hrs
   - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

   b. Restaurant Management Core 18 hrs

   - FSS 3124 Supply and Procurement Management 3 hrs
   - HFT 3253 Restaurant Management 3 hrs
   - HFT 3813 Foodservice Marketing, Sales, and Distribution 3 hrs
   - HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
   - HFT 4861C Beverage Management 3 hrs
   - HFT 2943 Sanitation in the Food Service Industry 3 hrs

   c. Restricted Electives (15 hrs)

   - Select 5: 15 hrs

   - FSS 3008 Culture and Cuisine or Corporate Contract and Managed Services or Organizations or FSS 4286C Catering and Banquet Organization or 3 hrs
   - HFT 3654 Hospitality Franchising or 3 hrs
   - HFT 3000 History and Culture of Wine or 3 hrs
   - HFT 4065 Fine Spirits Management or 3 hrs
   - HFT 4266 Hospitality Brand Management or 3 hrs
   - HFT 4268 Case Studies in Restaurant Management or 3 hrs
   - HFT 4281 Restaurant Leadership Strategies and Tactics or 3 hrs
   - HFT 4343 Hospitality Facilities Management or 3 hrs
   - HFT 4864 Seminar in Quality Brewing and Fine Beer or 3 hrs
   - HFT 4866C Exploring Wines of the World or 3 hrs
   - HFT 4894 International Gastronomy or 3 hrs
   - HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

5. Restricted Electives (15 hrs)

6. Capstone Requirements

7. Foreign Language Requirements

   a. 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.)

   b. Graduation

   - None

8. Electives

   a. 3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements

   a. Final exams will be given during Exam Week only.
   - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

10. Required Minors

   - None

11. Departmental Exit Requirements

   - None

12. University Minimum Exit Requirements

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   Total Semester Hours Required 120

   Honors In Major  None

   Related Programs  None

   Certificates  None

   Related Minors  None

   Advising Notes

   - Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

   Transfer Notes

   - Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
   - Florida College System institution students are encouraged to complete general education requirements, prior to transferring to UCF.
   - A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
   - Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

   Acceptable Substitutes for Transfer Courses

   - None

   Plan of Study

   - Plan your required nine summer credit hours into your course of study.

   Freshman Year - Fall 15 hrs

   - ENC 1101 Composition I 3 hrs
   - HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
   - MAC 1105 College Algebra 3 hrs
   - Cult./Hist. Foundations I 3 hrs

   Select 1: 3 hrs

   - PSY 2012 General Psychology or 3 hrs
   - SYG 2000 Introduction to Sociology or 3 hrs
   - ANT 2000 General Anthropology 3 hrs

   Freshman Year - Spring 16 hrs

   - ENC 1102 Composition II 3 hrs
   - SPC 1608 Fundamentals of Oral Communication 3 hrs
   - FSS 2211C Techniques of Food Preparation 4 hrs
   - Cult./Hist. Foundations II 3 hrs

   Select 1: 3 hrs

   - GCS 1060C Introduction to Computers or 3 hrs
   - STA 2023 Statistical Methods I 3 hrs

   Sophomore Year - Fall 14 hrs

   - HFT 2220 Hospitality Human Resources Management 3 hrs
   - Science Foundations I 3 hrs
   - Free Electives 5 hrs

   Select 1: 3 hrs

   - ECO 2013 Principles of Macroeconomics or 3 hrs
   - ECO 2023 Principles of Microeconomics 3 hrs

   Sophomore Year - Spring 15 hrs

   - HFT 2500 Hospitality and Tourism Marketing 3 hrs
   - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   - Science Foundations II 3 hrs
   - Cult./Hist. Foundations III 3 hrs
   - Free Elective 3 hrs

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UCF Degree Programs

Junior Year - Fall 16 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
FSS 3124 Supply and Procurement Management 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 3263 Restaurant Management 3 hrs
HFT 3940 Internship I 1 hr

Junior Year - Spring 16 hrs
HFT 3603 Legal Environment in Hospitality and Tourism Industry 3 hrs
HFT 3813 Foodservice Marketing, Sales, and Distribution 3 hrs
HFT 4457 Food, Beverage, and Labor Cost Controls 3 hrs
HFT 2843 Sanitation in the Food Service Industry 3 hrs
HFT 4941 Internship II 1 hr
Restaurant Restricted Elective 3 hrs

Senior Year - Fall 13 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4861C Beverage Management 3 hrs
HFT 4944 Internship III 1 hr
Restaurant Restricted Elective 3 hrs

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
Restaurant Restricted Electives 9 hrs
Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Science Education - Biology (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreassen, ED123Q, janet.andreassen@ucf.edu

The Science Education - Biology B.S. program offers students the option of two tracks: Science Education- Biology Track and Science Education - Biology Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside of formal K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-“ (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA.
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes.

- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (38 hrs)
- 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

- Cultural & Historical Foundations (9 hrs)
  General Education Program elective from section B1 to meet Gordon Rule Requirement

Select 1:
- Prefer MUL 2010 Enjoyment of Music or 3 hrs
- Prefer THE 2000 Theatre Survey or 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

- General Education Program elective: Prefer a second course from GEP section B1

- Mathematical Foundations (7 hrs)
  Required MAC 2311C Calculus with Analytic Geometry I 4 hrs

Select 1:
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

- Social Foundations (6 hrs)
  Prefer POS 2041 American National Government 3 hrs
  Prefer PSY 2012 General Psychology 3 hrs

- Science Foundations (7 hrs)
  Required BSC 2010C Biology I 4 hrs
  Required CHM 2045C Chemistry Fundamentals I 3 hrs
  Required CHM 2046 Chemistry Fundamentals II 3 hrs
  Required CHM 2046L Chemistry Fundamentals Laboratory 1 hr

1 A grade of “C-“(1.75) is required.

2. Common Program Prerequisites (CPP) (21 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  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
  BSC 2010C Biology I GEP
  MAC 2311C Calculus with Analytic Geometry I GEP
  BSC 211C 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

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 (3 hrs)
- Education Track requires 3 semester hours
- Lifelong Learning Track requires 6 semester hours

Transfer Notes: Courses taken at Florida College System institutions may substitute for select courses in this section with the permission of the department.

- Students should consult with advisor regarding course options

BSC 2010C Biology I GEP
BSC 2011C Biology II CPP
CHM 2045C Chemistry Fundamentals I CPP
PSC 1121 Physical Science GEP
Education Track 3 hrs
EDF 2130  Child and Adolescent Development for Educators  3 hrs

Lifelong Learning Track 6 hrs
MHS 2330  Career Planning  3 hrs

Select 1:
EDF 2130  Child and Adolescent Development for Educators or EDP 2270  Adult Development & Learning  3 hrs

Lifelong Learning Track requires 21 semester hours of Education Track Specialization Requirements

Education Track Specialization 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
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EDX 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

Education Core Requirements 18 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
EDF 2130  Child and Adolescent Development for Educators  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs

Lifelong Learning Track requires 18 semester hours of Education Core Requirements

4. Core Requirements: Advanced Level (55 hrs)
- Education Track requires 58 semester hours
- Lifelong Learning Track requires 55 semester hours

Education Core Requirements
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

Internship I Block
- Program Internship I Prerequisites: EDG 4440, 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 II.
- 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 4440 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- SCE 4941 Internship 12 hrs

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 scores on all sections [General Knowledge, Professional, and Subject Area (Biology 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- A grade of "C-"(1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

Education Track Specialization Requirements 34 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the area.
- Substitutions are allowed with advisor approval.

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None
9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

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.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Recommended Four Year Sequence of Courses

Freshman Year - Fall
- GEP B1 Elective 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs

Select 1:
- STA 2014C Principles of Statistics or 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs

Freshman Year - Spring
- GEP B3 Elective (Prefer course from section B1) 3 hrs
- ENC 1102 Composition II 3 hrs
- PSC 1121 Physical Science 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Freshman Year - Summer
- POS 2041 American National Government 3 hrs

Education Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

Sophomore Year - Fall
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs

Sophomore Year - Spring
- BSC 2011C Biology II 4 hrs
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Sophomore Year - Summer
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Fall
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDS 4410 Teaching Strategies and Classroom Management 3 hrs

Education Track
- PCB 3044 Principles of Ecology and PCB 3044L Principles of Ecology Laboratory 3 hrs

Select one of the following sequences of courses:
- PCB 3063 Genetics and 3 hrs
- PCB 3063L Genetics Laboratory 1 hr

or
- PCB 3703C Human Physiology 4 hrs

or
- ZOO 3733C Human Anatomy 4 hrs

Lifelong Learning Track
- MCB 3020C General Microbiology and 5 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs

Junior Year - Spring
- SCE 4361 Programs in Teaching Science 3 hrs

Education Track
- MCB 3020C General Microbiology and 5 hrs
- CHM 2205 Introduction to Organic and Biochemistry 5 hrs

Lifelong Learning Track
- MHS 2330 Career Planning and 3 hrs
- Choose Lifelong Learning Specialization courses 7 hrs

Junior Year - Summer
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Senior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Education Track
- SCE 4360 Science Instructional Analysis and 4 hrs
- SCE 3940 Internship 3 hrs

Lifelong Learning Track
- SCE 4360 Science Instructional Analysis and 4 hrs
- SCE 3940 Internship 3 hrs

Senior Year - Spring
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs

Education Track
- SCE 4941 Internship 12 hrs

Lifelong Learning Track
- 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)
Science Education - Chemistry (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education Chemistry B.S program offers students
the option of two tracks: Science Education - Chemistry Track
and Science Education - Chemistry Lifelong Learning Track (non-
certification). The Education Track is appropriate for students
interested in opportunities for employment with formal, 6-12 schools
that require certification. The Lifelong Learning Track is appropriate
for students seeking opportunities for employment outside formal,
K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education
requirements or its equivalent, i.e. an AA degree from
a Florida College System or State University System
institutions.
- Complete all Education Common Program Prerequisite
courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General
Knowledge Test (no alternatives or waivers are accepted).
The Lifelong Learning Track is a non-certification program
and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General
Education Program) and 2 (Education Common Program
Prerequisites) should be completed prior to admission to the
major and upper division education courses.
- The Education Track is a state-approved, initial teacher
preparation program designed in compliance with Florida
Statutes and State Board of Education Rule 6A-5.066.
Degree requirements are subject to change based on state
mandates.

1. UCF General Education Program (GEP) (37 hrs)
   - Note: Students are advised to take the preferred courses.
   - A: Communication Foundations (9 hrs)
     Required ENC 1101 Composition I 3 hrs
     Required ENC 1102 Composition II 3 hrs
     Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     General Education Program elective from section B1 to
     meet Gordon Rule Requirement 3 hrs
   - Select 1:
     Prefer MUL 2010 Enjoyment of Music or 3 hrs
     Prefer THE 2000 Theatre Survey or 3 hrs
     Prefer PHI 2010 Introduction to Philosophy 3 hrs
     General Education Program elective: Prefer a second
     course from GEP section B1 3 hrs
   - C: Mathematical Foundations (6 hrs)
     Required MAC 1144 College Trigonometry 3 hrs
   - Select 1: 3 hrs
     Prefer STA 1633C Basic Statistics Using Microsoft Excel or 3 hrs
     Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 212 General Psychology 3 hrs

E: Science Foundations (7 hrs)
1 Required BSC 2010C Biology I 4 hrs
1 Required PSC 1121 Physical Science 3 hrs
1 A grade of "C-" (1.75) or better is required.

2. Common Program Prerequisites (CPP) (21 hrs)
- See "Common Prerequisites" in the Transfer and
Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- PHY 2053C College Physics I 4 hrs
1 In addition, a minimum of 6 hours with an international or diversity
focus is required. The foreign language admission requirement may be used
to meet this requirement.

3. Core Requirements: Basic Level (4 hrs)
- Education Track requires 4 semester hours
- Lifelong Learning Track requires 7 semester hours
- Transfer Notes: Courses taken at Florida College
System institutions may substitute for select courses in this
section with the permission of the department.
- CHM 2045C Chemistry Fundamentals I CPP
- PSC 1121 Physical Science GEP
- BSC 2010C Biology I 3 hrs
- MAC 1144 College Trigonometry GEP

Education Track 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

Lifelong Learning Track 6 hrs
- MHS 2330 Career Planning 3 hrs

Select 1:
- EDF 2130 Child and Adolescent Development for Educators or 3 hrs
- EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (55 hrs)
- Education Track requires 56 semester hours
- Lifelong Learning Track requires 56 semester hours

Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of
Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of
Education Core Requirements
1 EDF 4467 Learning Theory and Assessment 3 hrs
1 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
1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Lifelong Learning Track 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs
1 Pre-requisite for Internship I (Education Track)

Education Track Specialization Requirements 21 hrs
- CHM 2046 Chemistry Fundamentals II CPP
- CHM 2046L Chemistry Fundamentals Laboratory CPP
- PHY 2053C College Physics I CPP
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
UCF Degree Programs

CHS 3501 Introduction to Forensic Science 3 hrs
BCH 4053 Biochemistry I 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Internship I Block 7 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

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 scores on all sections [General Knowledge, Professional, and Subject Area (Chemistry 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

Lifelong Learning Track Specialization 34 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

5. Restricted Electives
- None
6. Capstone Requirements
- None
7. Foreign Language Requirements
- 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 Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None
Lifelong Learning Track 8 hrs
- MHS 2330 Career Planning and
  Choose Lifelong Learning Specialization courses 5 hrs

Junior Year - Summer 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL
  Students in Schools

Senior Year - Fall 13 hrs
- EDF 4503 Analysis and Application of Ethical, Legal,
  and Safety Issues in Schools

Education Track 10 hrs
- SCE 4360 Science Instructional Analysis and 
  4 hrs
- SCE 3940 Internship and
  3 hrs
- BCH 4053 Biochemistry I
  3 hrs

Lifelong Learning Track 10 hrs
- Choose Lifelong Learning Specialization courses
  10 hrs

Senior Year - Spring 12 hrs
- Education Track
  SCE 4941 Internship
  12 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses
  12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

Science Education - Physics (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education - Physics B.S. program offers students the option of two tracks: Science Education - Physics Track and Science Education - Physics Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment in formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-“ (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.
UCF Degree Programs

1. UCF General Education Program (GEP) (38 hrs)
   - Students are advised to take the preferred courses.
   - Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Social Foundations (6 hrs)
     - General Education Program elective from section B1 to meet Gordon Rule Requirement
   - Select 1: 3 hrs
   - Mathematical Foundations (7 hrs)
     - Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
     - Select 1: 3 hrs
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel or
     - Prefer STA 2014C Principles of Statistics 3 hrs
   - Lifelong Learning Track (6 hrs)
     - Lifelong Learning Track requires 21 semester hours of Education Core Requirements
     - Lifelong Learning Track requires 47 semester hours
     - Lifelong Learning Track requires 50 semester hours

2. Common Program Prerequisites (CPP) (29 hrs)
   - See “Common Prerequisites” in the Transfer and Transition Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs
   - MAC 2311C Calculus with Analytic Geometry I GEP
   - MAC 2312 Calculus with Analytic Geometry II 4 hrs
   - MAC 2313 Calculus with Analytic Geometry III 4 hrs
   - PHY 2049C Physics for Engineers & Scientists I CPP
   - PHY 2049C Physics for Engineers & Scientists I GEP
   - PHY 2049C Physics for Engineers and Scientists I 4 hrs
   - CHM 2045C Chemistry Fundamentals I CPP
   - CHM 2046C Chemistry Fundamentals II CPP
   - CHM 2047C Chemistry Fundamentals III CPP
   - PHY 3101C Physics for Engineers and Scientists III 3 hrs
   - SCE 4361 Programs in Teaching Science 3 hrs

3. Core Requirements: Basic Level (3 hrs)
   - Education Track requires 8 semester hours
   - Lifelong Learning Track requires 18 semester hours of Education Core Requirements
   - Lifelong Learning Track requires 21 semester hours of Education Core Requirements
   - Lifelong Learning Track requires 47 semester hours
   - Lifelong Learning Track requires 50 semester hours

4. Core Requirements: Advanced Level (47 hrs)
   - Education Track requires 50 semester hours
   - Lifelong Learning Track requires 47 semester hours

Education Core Requirements (18 hrs)
   - Education Track requires 18 semester hours of Education Core Requirements
   - Lifelong Learning Track requires 21 semester hours of Education Core Requirements

Internship I Block (7 hrs)
   - Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading for Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   - Students in Schools

Internship II (12 hrs)
   - At least 80% of all required physics courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
   - Passing scores on all sections [General Knowledge, Professional, and Subject Area (Physics 6-12)] of the Florida Teacher Certification Examination (FTCE) is required prior to entry into Internship II.
Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexcp/

Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.006.

SCF 4941 Internship 12 hrs

Lifelong Learning Track Specialization 26 hrs

Requirements
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

PHI 3101 Physics for Engineers and Scientists III 3 hrs
PHI 3752C Physics of Scientific Instruments 3 hrs
PHI 3722C Physics Laboratory-Electronics 3 hrs
EDG 4941 Directed Field Experience 1 hr
EDG 4948 Service Learning 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
DIG 3811 User-Centered Design 3 hrs
DEP 2004C Developmental Psychology 3 hrs
DEP 3202 Psychology of Exceptional Children 3 hrs
DEP 3464 Psychology of Aging 3 hrs
EXP 3604C Cognitive Psychology 4 hrs
EXP 3250 Principles of Human Factors Psychology 3 hrs
EAB 3703C Principles of Behavior Modification 4 hrs
MAN 3025 Management of Organizations 3 hrs
MAN 4101 Human Relations in Management 3 hrs
MAR 3023 Marketing 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3798 Fairs and Festivals 3 hrs
HFT 4754 Exhibit and Trade Show Operations 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission 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 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 Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
- 15 hrs
GEP B1 Elective 3 hrs
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs
SPE 1608 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or STA 1064C Basic Statistics Using SPSS 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Freshman Year - Spring
- 16 hrs
GEP B3 Elective ( Prefer course from section B1) 3 hrs
MAC 2311C Calculus with Analytic Geometry I 4 hrs
ENC 1102 Theatre Survey or 3 hrs
POS 2041 American National Government 3 hrs

Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Freshman Year - Summer
- 7 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
1. EDF 2006 Introduction to the Teaching Profession 3 hrs

1 Transfer notes: Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Fall
- 14 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHI 2048C Physics for Engineers & Scientists I 4 hrs
EDF 2085 Introduction to Diversity for Educators 3 hrs

Select 1: 3 hrs
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Sophomore Year - Spring
- 14 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
Education Track
EDF 2130  Child and Adolescent Development for Educators  3 hrs
Lifelong Learning Track
EDF 2130  Child and Adolescent Development for Educators  3 hrs
EDP 2270  Adult Development & Learning  3 hrs
Sophomore Year - Summer
CHM 2046 Chemistry Fundamentals II  3 hrs
CHM 2046L Chemistry Fundamentals Laboratory  1 hr
Junior Year - Fall
EDF 4467 Learning Theory and Assessment  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
Education Track
PHY 3101 Physics for Engineers and Scientists III  3 hrs
Lifelong Learning Track
Choose Lifelong Learning Specialization course  3 hrs
Junior Year - Spring
EDF 4477 Learning Theory and Assessment  3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12  3 hrs
SCE 4361 Programs in Teaching Science  3 hrs
Education Track
PHY or PHZ 3000 or 4000 level elective  4 hrs
Lifelong Learning Track
MHS 2330 Career Planning and  3 hrs
Choose Lifelong Learning Specialization course  1 hr
Senior Year - Fall
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
Education Track
SCE 4360 Science Instructional Analysis  4 hrs
SCE 3940 Internship  3 hrs
Select 1:
PHY 3722C Physics Laboratory-Electronics  3 hrs
PHY 3752C Physics of Scientific Instruments or  3 hrs
Choose Lifelong Learning Specialization courses  10 hrs
Senior Year - Spring
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
Education Track
SCE 4941 Internship  12 hrs
Lifelong Learning Track
Choose Lifelong Learning Specialization courses  12 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oaes.ucf.edu/academiclearningcompacts.html

Equipment Fees
• Part-Time Student: $12 per term
• Full-Time Student: $24 per term

Social Science Education (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreassen, ED 123Q, Janet.Andreassen@ucf.edu

The Social Science Education B.S. program offers students the option of two tracks: Social Science Education - Education Track and Social Science Education - Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment with formal, 6-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
• Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
• Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
• Meet the Gordon Rule Requirement.
• Have a minimum 2.5 overall GPA.
• Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
• Students should see an advisor prior to registering for classes.
• The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
• The Education Track is 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 EUC 2000 Western Civilization I 3 hrs

C: Mathematical Foundations (6 hrs)
Select 1:
Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 2014C Introduction to Philosophy 3 hrs

D: Social Foundations (6 hrs)
Required POS 2041 American National Government 3 hrs
Required PSY 2012 General Psychology 3 hrs
### 3. Core Requirements: Basic Level (9 hrs)
- Education Track requires 9 semester hours
- Lifelong Learning Track requires 12 semester hours

#### Education Track 9 hrs
- **Select 1:**
  - EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - EDF 2270 Adult Development & Learning 3 hrs

#### Lifelong Learning Track 12 hrs
- SYG 2000 Introduction to Sociology 3 hrs
- ECO 2330 Career Planning 3 hrs
- MHS 2330 Principles of Macroeconomics 3 hrs

### 4. Core Requirements: Advanced Level (63 hrs)
- Education Track requires 66 semester hours
- Lifelong Learning Track requires 63 semester hours

#### Education Core Requirements 18 hrs
- Education Track requires 18 semester hours of Education Core Requirements
- Lifelong Learning Track requires 21 semester hours of Education Core Requirements

#### Education Core Requirements
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

#### Lifelong Learning Track
- SSE 4936 Programs in Teaching Social Science 3 hrs

### Internship I Block 6 hrs
- Prior to Internship I, the student must have completed EDF 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: 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.

### Internship II 12 hrs
- At least 80% of all required social science courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Social Science 6-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.

### Lifelong Learning Track 42 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

### Field of Concentration Upper Division Electives
- AFH, AMH, ASH, CPO, HUM, INR, LAH or POS 3/4XXX

### Upper Division Electives
- Upper Division Non-Western History Elective (AFH, ASH, 3 hrs or LAH prefix courses 3/4XXX)
- Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX)
- Upper Division American History Elective (AMH prefix courses 3/4XXX)
- Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, LAH, or POS 3/4XXX)

---

**Pre-requisite for Internship I (Education Track)**

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2270</td>
<td>Adult Development &amp; Learning</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**Note:**
- 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.
- Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.
- A grade of "C-" (1.75) or better is required.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexperience/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with State Board of Education Rule 6A-5.066.
UCF Degree Programs

DIG 3811  User-Centered Design  3 hrs
DEP 2004C  Developmental Psychology  3 hrs
DEP 3202  Psychology of Exceptional Children  3 hrs
DEP 3464  Psychology of Aging  3 hrs
EXP 3604C  Cognitive Psychology  4 hrs
EXP 3250  Principles of Human Factors Psychology  3 hrs
EAB 3703C  Principles of Behavior Modification  4 hrs
MAN 3025  Management of Organizations  3 hrs
MAN 4101  Human Relations in Management  3 hrs
MAR 3023  Marketing  3 hrs
ECT 4184  Curriculum Development Techniques for Industry Training  3 hrs
HFT 1000  Introduction to the Hospitality and Tourism Industry  3 hrs
HFT 2750  The Event Industry  3 hrs
HFT 3798  Fairs and Festivals  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission 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 Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- AMH 2010  U.S. History: 1492-1877  3 hrs
- ENC 1101  Composition I  3 hrs
- MGF 1106  Finite Mathematics  3 hrs
- PSY 2012  General Psychology  3 hrs

Freshman Year - Spring
- AMH 2020  U.S. History: 1877-Present  3 hrs
- ENC 1102  Composition II  3 hrs
- POS 2041  American National Government  3 hrs

Select 1:
- ANT 2511  The Human Species or 3 hrs
- SPA 1005  Biological Principles  3 hrs

Freshman Year - Summer
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Select 1:
- MUL 2010  Enjoyment of Music  3 hrs
- THE 2000  Theatre Survey  3 hrs
- PHI 2010  Introduction to Philosophy  3 hrs

Sophomore Year - Fall
- EDF 2005  Introduction to the Teaching Profession  3 hrs
- ECO 2013  Principles of Macroeconomics  3 hrs
- PSC 1121  Physical Science  3 hrs
- SYG 2000  Introduction to Sociology  3 hrs

Select 1:
- STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2043  Principles of Statistics  3 hrs

Sophomore Year - Spring
- EDF 2085  Introduction to Diversity for Educators  3 hrs
- EME 2040  Introduction to Technology for Educators  3 hrs

Education Track
- ECO 2023  Principles of Microeconomics  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Lifelong Learning Track
- MHS 2330  Career Planning  3 hrs

Select 1:
- STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2043  Principles of Statistics  3 hrs

Sophomore Year - Summer
- TSL 4080  Theory and Practice of Teaching ESOL  3 hrs

Education Track
- ECH 3450  Introduction to American Government  3 hrs
- EDF 2130  Child and Adolescent Development for Educators  3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses  6 hrs

Junior Year - Fall
- EDF 4467  Learning Theory and Assessment  3 hrs
- EDG 4410  Teaching Strategies and Classroom Management  3 hrs
- SSE 4936  Programs in Teaching Social Science  3 hrs

Education Track
- EUH 2000  Western Civilization I and Upper Division Political Science Elective (CPO, INR, POS 3/4XX)  3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses  6 hrs

Education Track
- EUH 2000  Western Civilization II and Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX)  3 hrs

Lifelong Learning Track
- Choose Lifelong Learning Specialization courses  6 hrs
### Admissions Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- 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.

### Education Track

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior Year - Fall</td>
<td>GEO 3471  World Political Geography and Internship</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>SSE 3940  Internship and Social Science Instructional Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Senior Year - Spring</td>
<td>SSE 4941  Internship</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees

- Part-Time Student: $12 per term
- Full-Time Student: $24 per term

### Social Sciences (B.S.)

#### College of Sciences

##### Department of Sociology,

Howard Phillips Hall, Room: 403

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

Email: sociology@ucf.edu

Dr. Lin Huff-Corzine, Lin.Huff-Corzine@ucf.edu

Phone: 407-823-3744

Students majoring in the Social Sciences Interdisciplinary B.S. program are provided with interdisciplinary breadth and depth in the Social Sciences as they fulfill the requirements of three separate social science minors of their choice, a statistics course, and a methodology course. The Social Science minors are housed in Sociology, Psychology, Political Science, Communication, and Anthropology. This major supports UCF’s goal of offering the best undergraduate education available in Florida with flexibility that is absent in most discipline-specific programs.

### Admissions Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- 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.

### UCF Degree Programs

- 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.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

- A: Communication Foundations (9 hrs)
  - Required ENC 1101  Composition I | 3 hrs
  - Required ENC 1102  Composition II | 3 hrs

- Complete one of the following: 3 hrs
  - 1 Suggested SPC 1608  Fundamentals of Oral Communication or
  - Suggested SPC 1603C  Fundamentals of Technical Presentations or
  - Prefer  COM 1000  Introduction to Communication | 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

#### Statistics:

- Required STA 2014C  Principles of Statistics or STA 2023  Statistical Methods I | 3 hrs

#### Math:

- You may substitute a higher level math with appropriate scores on the Math Placement Test.
- Prefer MGF 1107  Explorations in Mathematics or MGF 1106  Finite Mathematics | 3 hrs

#### D: Social Foundations (6 hrs)

#### Select the following course: 3 hrs

- Required  POS 2041  American National Government | 3 hrs

#### Select one of the following, depending on the 3 hrs concentration to be followed:

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

#### E: Science Foundations (6 hrs)

#### 2. Common Program Prerequisites (CPP)

- 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

#### Select one of the following Statistics courses:

- STA 2014C  Principles of Statistics or STA 2023  Statistical Methods I | GEP

#### Select at least three of the following, depending on concentrations to be taken:

- ANT 2000  General Anthropology or | GEP
- POS 2041  American National Government or | GEP
- PSY 2012  General Psychology or | GEP
- SPC 1608  Fundamentals of Oral Communication or | GEP
- SYG 2000  Introduction to Sociology | GEP

#### 4. Core Requirements: Advanced Level (57 hrs)

#### Select one methods’ course: 3 hrs

- POS 3703  Scope and Methods of Political Science or PSY 3213C  Research Methods in Psychology or SYA 4300C  Research Methods or COM 3311  Communication Research Methods | 3 hrs

#### Required Minors:

- Complete the requirements for 3 Social Science minors dealing with the following areas:
5. Restricted Electives
■ None

6. Capstone Requirements
■ Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements
Admissions
■ Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
■ None

8. Electives
■ After meeting with a departmental advisor, select electives primarily from upper level courses to satisfy the 48 hour rule. Courses may be outside the areas.

9. Additional Requirements
■ None

10. Required Minors
■ Three minors are to be selected from the following listing.
■ However only one minor may be taken within a single department or school.
■ Anthropology
■ Anthropology in Multicultural Studies
■ Crime, Law, and Deviance
■ Diplomacy
■ Diversity and Social Inequality
■ European Studies
■ Human Communication
■ International and Global Studies
■ Journalism Studies
■ Magazine Journalism
■ Mass Communication
■ Mass Culture and Collective Behavior
■ Medical Anthropology
■ Medical Sociology
■ North American Indian Studies
■ Political Science
■ Political Science/Prelaw
■ Psychology
■ Sociology
■ Global Peace and Security Studies
■ Terrorism Studies
■ Women’s Studies

11. Departmental Exit Requirements
■ Maintain a minimum GPA of 2.0 in each Social Science discipline.
■ A minimum grade of “C” (2.0) in all core courses is required.
■ Students will be required to take 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, and nine hours of Summer credit.

Total Semester Hours Required
■ 120

Honors in Major
■ None

Related Programs
■ Anthropology
■ Interdisciplinary Studies - Liberal Arts Track
■ Economics
■ Political Science
■ Psychology
■ Public Administration
■ Sociology

Certificates
■ None

Related Minors
■ Anthropology
■ Economics
■ Human Communication
■ Political Science
■ Psychology
■ Public Administration
■ Sociology

Advising Notes
■ Students should seek advising in the Sociology department.

Transfer Notes
■ Lower division courses do not substitute for upper division courses.
■ Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

Plan of Study
■ This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
■ Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall 16 hrs
ENC 1101 Composition I 3 hrs
Foreign Language 4 hrs
GEP - Math 3 hrs
GEP 3 hrs

Freshman Year - Spring 16 hrs
Core Course 3 hrs
Statistics 3 hrs
ENC 1102 Composition II 3 hrs
Foreign Language 4 hrs
GEP 3 hrs

Sophomore Year - Fall 13 hrs
Core Course 3 hrs
Elective / Minor 3 hrs
GEP 4 hrs
GEP 3 hrs

Sophomore Year - Spring 15 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
### Junior Year - Spring
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### Senior Year - Fall
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### Senior Year - Spring
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<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
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</tr>
</tbody>
</table>

### Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University.
  - A 2.5 overall GPA.
  - An AA (from a Florida College System or State University System institution) or UCF General Education Program and Gordon Rule requirement.
  - 15 semester hours common program prerequisites completed with a “C” (2.0) in each course (see Section 2 below for list of courses).

### Degree Requirements
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog.
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work.
- Students should complete the General Education Program and the Common Program Prerequisite Requirements before beginning the Social Work Program.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

### Social Work (B.S.W.)

**College of Health and Public Affairs**  
**School of Social Work**,  
**Health and Public Affairs I, Room: 204**  
**http://www.cohpa.ucf.edu/social/**  
**Email: socialwk@ucf.edu**  
Dr. Bonnie Yegidis, Director  
Robin Kohn, Undergraduate Program Coordinator  
Catherine Cash, BSW Advisor  
Phone: 407-823-2114

### Health and Public Affairs

#### Program Requirements

<table>
<thead>
<tr>
<th>Year</th>
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<th>Hours</th>
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</tr>
<tr>
<td>4</td>
<td>Fall</td>
<td>15</td>
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</table>

### Admissions Notes
- 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)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)

2. **Social Foundations** (6 hrs)
   - **D: American National Government** (3 hrs)
   - **PSY 2012 General Psychology** (3 hrs)

3. **E: Science Foundations** (6 hrs)
   - **BSC 1005 Biological Principles** (3 hrs)

4. **Social Work Program Requirements** (45 hrs)
   - **SOW 3104 Human Behavior and the Social Environment I** (3 hrs)
   - **SOW 3284 Social Work Perspectives on Social Justice** (3 hrs)
   - **SOW 3300 Practitioner Practice in Social Work** (3 hrs)
   - **SOW 3111 Human Behavior and the Social Environment II** (3 hrs)
   - **SOW 3352 Practice I: Interpersonal Skills in Social Work** (3 hrs)
   - **SOW 3401 Social Work Research** (3 hrs)
   - **SOW 3260 Culturally Competent Social Work Practice** (3 hrs)
   - **SOW 4730 Documentation in Social Work Practice** (3 hrs)
   - **SOW 4341 Micro-Level Roles and Interventions in Social Work** (3 hrs)
   - **SOW 4343 Macro-Level Roles and Interventions in Social Work** (3 hrs)
   - **SOW 4522 Field Education Seminar** (3 hrs)
   - **SOW 4510 Field Education** (9 hrs)

5. **Required Principles of Statistics** (3 hrs)
   - **STA 2014C Principles of Statistics** (3 hrs)
   - **STA 2023 Statistical Methods I** (3 hrs)

6. **Cultural Diversity Requirement** (6 hrs)
   - Choose two of the following suggested courses, or see advisor for more options:
     - **ANT 4332 People and Cultures of Latin America** (3 hrs)
     - **ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts** (3 hrs)
     - **ANT 3610 Language and Culture** (3 hrs)
     - **ASH 4404 Modern China** (3 hrs)
     - **ASH 4442 Modern Japan** (3 hrs)
     - **CPO 4303 Comparative Latin American Politics** (3 hrs)

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**UNIVERSITY OF CENTRAL FLORIDA**  
323 Undergraduate Catalog 2015-2016
UCF Degree Programs

HUM 3401 Asian Humanities  3 hrs
REL 3333 Hinduism  3 hrs
REL 3383 Islam  3 hrs
JST 3401 Jewish People in Antiquity  3 hrs
JST 3402 Wanderings: The Jewish People in Dispersion  3 hrs
JST 3820 Modern Israeli Culture  3 hrs
LAH 3130 Latin American History I  3 hrs
LAH 3200 Modern Latin America  3 hrs
LAH 3400 History of Mexico and Central America  3 hrs
LAH 3470 History of the Caribbean  3 hrs
AMH 3561 Women in American History I  3 hrs
AMH 3571 Black American History I  3 hrs
AMH 3586 History of the Hispanic Minorities in the U.S.  3 hrs
ANT 3302 Sex, Gender and Culture  3 hrs
ANT 3311 Indians of the Southeastern United States  3 hrs
ANT 3313 Indians of North America High Plains  3 hrs
SOP 3724 Psychology of Prejudice  3 hrs
SOP 3742 Psychology of Women  3 hrs
ASL 3444 Introduction to Signed English and Culture of the Deaf  3 hrs
SYD 3700 Race and Ethnicity  3 hrs
EDP 2065 Introduction to Diversity for Educators  3 hrs
HSC 3593 HIV Disease: A Human Concern  3 hrs

5. Restricted Electives (6 hrs)
   - Select six hours in consultation with faculty advisor.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
     - Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
   - Graduation
     - Cultural Diversity Requirement

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course.
- Complete a three-credit thesis course.
- Earn a 3.5 GPA in your Social Work major.
- Earn a cumulative 3.2 GPA in your total UCF courses.
- Complete 60 hours of college credit, including 12 upper division hours at UCF.

Related Programs
- Criminal Justice
- Psychology
- Sociology
- Public Administration

Certificates
- Criminal Justice Program
- Psychology
- Sociology
- Public Administration

Related Minors
- Health Services Administration
- Aging Studies
- Psychology
- Sociology
- Nonprofit Management/National Certification in Nonprofit Management

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- POS 2041: may use POS X042 or PUP X099
- BSC 2005: may use BSC X085, BSC X010, or PCB X099
- PSY 2012: may use PSY X020
- SYG 2000: may use SYG X010

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I  3 hrs
- BSC 1005 Biological Principles  3 hrs
- GEP Math  3 hrs
- PAF 2102 Public Affairs Careers  2 hrs

Select 1:  3 hrs
- SYG 2000 Introduction to Sociology or
- PSY 2012 General Psychology  3 hrs

Freshman Year - Spring
- ENC 1102 Composition II  3 hrs
- STA 2014C Principles of Statistics  3 hrs
- POS 2041 American National Government  3 hrs

Select 1:  3 hrs
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology  3 hrs
- GEP Cultural  3 hrs

Sophomore Year - Fall
- GEP Communication  3 hrs
- GEP Historical  3 hrs
- SOW 2020 Careers in Creating Social Change  3 hrs

Select 1:  3 hrs
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics  3 hrs

Sophomore Year - Spring
- Free Elective  3 hrs
- Free Elective  3 hrs
- GEP Science  3 hrs
- GEP Historical  3 hrs
- Foreign Language II or Cultural Diversity  3 hrs

Sophomore Year - Summer
- Free Elective  3 hrs
- Free Elective  3 hrs
- SOW 3620 Culturally Competent Social Work Practice  3 hrs
- SOW Elective  3 hrs

Junior Year - Fall
- SOW 3300 Practice II: Generalist Practice in Social Work or
- SOW 3284 Social Work Perspectives on Social Justice  3 hrs
- SOW 3104 Human Behavior and the Social Environment I or
- SOW 3300 Practice I: Generalist Practice in Social Work  3 hrs

Select 1:  3 hrs
- Restricted Elective  3 hrs
- Free Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
### Sociology (B.A.)

**College of Sciences**

**Department of Sociology**

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

**Email:** sociology@ucf.edu

Dr. Elizabeth E. Mustaine, libby@ucf.edu

Phone: 407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in 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, 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** and directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- **No more than 12 hours** of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.
- **All prerequisites** of courses taught within the College of Sciences will be enforced.
- **Students** should consult annually with a departmental advisor.
- **Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

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

- **A: Communication Foundations** (9 hrs)
- **B: Cultural & Historical Foundations** (9 hrs)
- **C: Mathematical Foundations** (6 hrs)
- **Math:** 3 hrs
- **Statistics:** 3 hrs
  - Prefer STA 2014C Principles of Statistics 3 hrs
- **D: Social Foundations** (6 hrs)
- **Political Science/Economics** (3 hrs)
  - Select one listed course 3 hrs
- **Social Sciences** (3 hrs)
  - Required SYG 2000 Introduction to Sociology 3 hrs

#### 2. Common Program Prerequisites (CPP) (3 hrs)

- **See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.**
- **SYG 2000 Introduction to Sociology GEP**
- **SYA 3110 Social Theory**

#### 3. Core Requirements: Basic Level

- **All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken.**
- **SYG 2000 Introduction to Sociology GEP/CPP**
- **SYA 3110 Social Theory CPP**

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

- **SYA 4300C Research Methods** 4 hrs
- **SYA 4450 Data Analysis** 4 hrs
- **SYA 3400C Applied Social Statistics** 4 hrs

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<thead>
<tr>
<th>Junior Year - Spring</th>
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<tbody>
<tr>
<td>SOW 3111 Human Behavior and the Social Environment</td>
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<tr>
<td>SOW 3352 Practice II: Interpersonal Skills in Social Work</td>
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<td>SOW 3401 Social Work Research</td>
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<tr>
<td>SOW 3620 Culturally Competent Social Work Practice</td>
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<td>SOW 3620 Culturally Competent Social Work Practice</td>
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<td>SOW 4343 Macro-Level Roles and Interventions in Social Work</td>
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<tr>
<th>Senior Year - Fall</th>
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<tbody>
<tr>
<td>SOW 4232 Social Welfare Policies and Issues</td>
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<tr>
<td>SOW 4341 Micro-Level Roles and Interventions in Social Work</td>
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<tr>
<td>SOW 4343 Macro-Level Roles and Interventions in Social Work</td>
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<tr>
<td>SOW 4730 Documentation in Social Work Practice</td>
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<tr>
<td>SOW 4510 Field Education and</td>
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<td>SOW 4522 Field Education Seminar</td>
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<tr>
<td>SOW 4941 Internship</td>
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<tr>
<td>SOW 4515 Part Time Field Education Seminar</td>
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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oideas.ucf.edu/academiclearningcompacts.html](http://www.oideas.ucf.edu/academiclearningcompacts.html)
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 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 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
- SYO 3000 Contemporary Sociology 3 hrs
- SYO 3360 Social Organization and Human Relations 3 hrs
- SYO 3410 Patterns of Mental Health in Society 3 hrs
- SYO 3530 Social Power and Inequality 3 hrs
- SYO 4100 Family Trends 3 hrs
- SYO 4200 Religion in Society 3 hrs
- SYO 4250 Education and Social Achievement 3 hrs
- SYO 4300 Political Sociology 3 hrs
- SYO 4400 Medical Sociology 3 hrs
- SYP 3300 Fads, Crowds, and Social Action 3 hrs
- SYP 3400 Social Change 3 hrs
- SYP 3510 Sociology of Deviant Behavior 3 hrs
- SYP 3511 Sociology of Murder 3 hrs
- SYP 3520 Criminology 3 hrs
- SYP 3530 Juvenile Delinquency 3 hrs
- SYP 3540 Sociology of Law 3 hrs
- SYP 3551 Patterns of Alcoholism in Society 3 hrs
- SYP 3562 Patterns of Domestic Violence in Society 3 hrs
- SYP 3602 Patterns of Popular Music in Society 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs
- SYP 3650 Sports and Society 3 hrs
- SYP 4000 Sociological Social Psychology 3 hrs
- SYP 4004 Constructing Social Issues 3 hrs
- SYP 4514 Patterns of Violence in Society 3 hrs
- SYP 4521 Crime Victims in Society 3 hrs
- SYP 4536 Gangs and Society 3 hrs
- SYP 4550 Patterns of Drug Abuse in Society 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- SYP 4732 Minority Aging 3 hrs
- SYP 5525 Sociological Criminology 3 hrs
- SYD 3800 Sex and Gender in Society 3 hrs
- SYD 4020 Birth, Death, and Population Trends 3 hrs

Internship:
- Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.
- SYP 3940 Internship 3 hrs
- SYP 4941 Internship or 3 hrs
- SYP 5944 Internship 3 hrs
- All special topics courses with the prefixes SYA, SYD, SYO, or SYP

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.
Graduation
- Proficiency equivalent to one year of college instruction in either a foreign language, or 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
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<tr>
<td></td>
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<tr>
<td>Junior</td>
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<td>SYA 4300C Research Methods</td>
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<td>SYA 3400C Applied Social Statistics</td>
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<td>SYA 3110 Social Theory</td>
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<td>Senior</td>
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Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $5 per term
- Full-Time Student: $10 per term

Spanish (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 519
http://mil.cah.ucf.edu/
Dr. Francisco Fernandez-Rubiera, Rubiera@ucf.edu

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

Admission Requirements
- None

Degree Requirements
- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a "C" (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.

- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Math (6 hrs)
   Statistics - Computers (3 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  1 SPN 1120C  Elementary Spanish Language and Civilization I 4 hrs
  1 SPN 1120C  Elementary Spanish Language and Civilization II 4 hrs
  1 SPN 4510  Spanish Literature beyond the survey level 3 hrs
  1 SPN 3234  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.

3. Core Requirements: Basic Level
   SPN 3234  Advanced Directed Readings 3 hrs
   1 SPN 3300  Advanced Spanish Composition 3 hrs
   1 SPN 3420  Spanish Composition 3 hrs
   1 SPN 3760  Advanced Spanish Oral Communication 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   SPW 3100  Survey of Spanish Literature I and 3 hrs
   SPW 3101  Survey of Spanish Literature II and 3 hrs
   or SPW 3130  Survey of Latin-American Literature I and 3 hrs
   SPW 3131  Survey of Latin-American Literature II and 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 linguistics course from the 3 hrs
   following
   SPN 4801  Spanish Morphosyntax 3 hrs
   SPN 4800  Spanish-American Syntax 3 hrs
   SPN 4780  Spanish Phonetics 3 hrs
   SPN 3852  Bilingualismo 3 hrs
   SPN 3850  Structure of the Spanish Language 3 hrs
   1 SPN 4510  Spanish Civilization and Culture 3 hrs
   1 SPN 4520  Latin American Civilization and Culture 3 hrs

Additional Spanish electives (12 hrs)
- Select any 3000, 4000, 5000 SPN, SPW, SPT courses not already used in the major *Maximum of 9 hours of 5000 level courses accepted
6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by Graduation requirements.

Graduation
- Met by Common Program Prerequisites.

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, entirely in Spanish. The exam is offered each September and February and students need the approval of their advisor to take the exam. Students should discuss the optimal test date with their advisor and the Spanish Section Director. Students may take the Spanish Exit Exam up to a maximum of two times. Students are eligible to take the exam after they complete the literature survey sequence and the linguistics requirement. Exceptions must be approved by the student's Spanish advisor and by the Spanish Section Director.
- Computer Competency met by the following or equivalent:
  - CGS 1060C Introduction to Computers 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- French

Certificates
- None

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- 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

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Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new, or more appropriate selections.

Freshman Year - Fall 16 hrs
- ANT 2000 General Anthropology 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Elective / Minor 3 hrs

Freshman Year - Spring 14 hrs
- ENC 1102 Composition II 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- Elective / Minor 4 hrs

Sophomore Year - Fall 15 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- Elective / Minor 3 hrs

Sophomore Year - Spring 15 hrs
- BSC 1005 Biological Principles 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs
- COM 1000 Introduction to Communication 3 hrs
- SPN 3234 Advanced Directed Readings 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall 15 hrs
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Spring 15 hrs
- SPW 3101 Survey of Spanish Literature II 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs
- SPN 3141 Business Spanish II 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
- SPW 3100 Survey of Spanish Literature I 3 hrs
- SPN 4510 Spanish Civilization and Culture 3 hrs
- SPN 5705 Introduction to Spanish Linguistics 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
- SPW 4604 Cervantes 3 hrs
- SPN 4410 Advanced Spanish Conversation 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Sport and Exercise Science (B.S.)
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
http://education.ucf.edu/sportexscience
Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0442

The Sport and Exercise Science B.S. program offers students the option of three tracks, Coaching and Human Performance, offered at the Orlando campus, and Community Sport and Fitness, offered
at the South Lake campus. The Coaching track is appropriate for students interested in coaching at all levels of competition, in a variety of sports, including strength and conditioning. Students are provided with a combination of course content as well as practical field and laboratory experiences. The Coaching Track includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education (FLDOE). For further information regarding the Athletic Coaching Endorsement, visit [http://www.fldoe.org/edcert/](http://www.fldoe.org/edcert/). The Human Performance track is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e., physical therapy, occupational therapy, and cardiac rehabilitation). The Community Sport and Fitness track is appropriate for students seeking positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities.

**Admission Requirements**
- Complete the University General Education Requirements or its equivalent, i.e., an AA degree from a Florida College System or State University System institution.
- Have a minimum 2.5 overall GPA.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

**Degree Requirements**
- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students who change advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a "C" (2.0) in each required course and maintain an overall GPA of at least a 2.5.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete the departmental application and approval process.

### 1. UCF General Education Program (GEP) (37 hrs)

**A: Communication Foundations (9 hrs)**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**
- General Education Program elective from section B1 to meet Gordon Rule Requirement 3 hrs

**Select 1:**
- Prefer MUL 210 Enjoyment of Music or
- Prefer THE 2000 Theatre Survey or
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- General Education Program elective: Prefer a second course from GEP section B1 3 hrs

**C: Mathematical Foundations (6 hrs)**
- Prefer MGF 1106 Finite Mathematics 3 hrs

**Select 1:**
- Prefer STA 1063C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics 3 hrs

**D: Social Foundations (6 hrs)**
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 212 General Psychology 3 hrs

**E: Science Foundations (7 hrs)**
- Required BSC 2010C Biology I 4 hrs
- Prefer PSC 1121 Physical Science 3 hrs

**2. Common Program Prerequisites (CPP)**
- See Transfer Notes for possible substitutes for the following course:
  - BSC 2010C Biology I
  - GEP

### 3. Core Requirements: Basic Level (22 hrs)

**Core Requirements for Sport and Exercise Science**

**A. Track 1 - Coaching (24 hrs)**
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

Select one of the following courses under electives if you intend to apply for the Athletic Coaching Endorsement with the FLDOE: PEO 3624, PEO 3644, PEO 3324, PEO 3514 or PEO 3041. For further information regarding the Athletic Coaching Endorsement, visit [http://www.fldoe.org/edcert/](http://www.fldoe.org/edcert/)

**B. Track 2 - Human Performance (24 hrs)**
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs
- PET 4143 Current Issues & Trends in Sport and Exercise Science 3 hrs
- PET 3125 Fitness and Weight Management 3 hrs
- PET 4088 Physical Activity & Preventive Medicine 3 hrs

**C. Track 3 - Community Sport and Fitness (24 hrs)**
- PET 3820 Teaching Sports Skills I 3 hrs
- LEI 4266 Outdoor And Leisure Activities 3 hrs
- PET 4763 Coaching Methods And Principles 3 hrs
- SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
- SPM 3130 Aquatic Management 3 hrs
- ATR 4132 Human Injuries: Mechanisms & Prevention 3 hrs
- SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science 3 hrs
- SPM 4723 Legal Issues in Sport and Exercise Science 3 hrs

**5. Restricted Electives (25 hrs)**
- Students have the opportunity to add learning experiences by earning a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate studies, for example in medicine, physical therapy and other allied health graduate programs.
- Courses are required to be 2000 level or higher.
- Courses already required for your selected Track may not be used to meet the Restricted Elective requirement.
- Select preferred electives with advisor approval. A minimum of nine (9) hours must be selected from the list below:
  - PET 4083 Personal Training Methods 3 hrs
  - PET 3768 Group Exercise Instruction 3 hrs
  - PET 4401 Administration and Evaluation in Sport and Exercise Science 3 hrs
  - PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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6. Capstone Requirements (12 hrs)

PET 3765  Coaching Theory  3 hrs
PET 4763  Coaching Methods And Principles  3 hrs
PET 3771  Strength and Conditioning Concepts  3 hrs
PET 4215  Motivational Aspects of Athletic Performance  3 hrs
SPM 3204  Sports and Ethics  3 hrs
SPM 4723  Legal Issues in Sport and Exercise Science  3 hrs
PET 4552  Exercise Prescription for Special Populations  3 hrs
PET 4143  Current Issues & Trends in Sport and Exercise Science  3 hrs

Select 1: 9 hrs

PET 3125  Fitness and Weight Management  3 hrs
PET 4088  Physical Activity & Preventive Medicine  3 hrs
PET 3820  Teaching Sports Skills I  3 hrs
LEI 4266  Outdoor And Leisure Activities  3 hrs
SPM 3415  Public Relations in Sport and Exercise Science  3 hrs

PET 4901  Capstone in Sport and Exercise Science  3 hrs

6. Capstone Requirements (12 hrs)

Select 1: 9 hrs

PET 4926  Sport and Exercise Science Practicum or 9 hrs
Take 3 additional electives in the program approved by the advisor

During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on application. The students will be working directly with a Practicum Site Supervisor in the organization and their UCF Faculty Supervisor. The UCF Faculty Supervisor will maintain periodic contact with the Practicum Site Supervisor to check performance status.

Students in the Practicum will be representing not only themselves while on site but also the Sport and Exercise Science Program, the College, and UCF. Therefore, professionalism in manner, ethics, job performance, and dress will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their UCF Faculty Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action regarding expectations and improvements will be developed.

If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

7. Foreign Language Requirements

Admissions

(0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

8. Electives

Restricted Electives as listed above.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

A minimum overall GPA of 2.5.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

Coaching

Fitness Training

Advising Notes

Students must meet with their advisor before enrolling each term.

Transfer Notes

Courses transferred from private and out-of-state institutions must be evaluated for equivalency credit. The student must provide all documentation.

Acceptable Substitutes for Transfer Courses

The following substitutions are acceptable if taken at a Florida College System institution:

BSC 1010C (4 credit hours with lab) will satisfy the BSC2010C Biology I requirement.

BSC 2085C OR BSC 2093C (4 credit hours with lab) will satisfy the ZOO 3736C Exercise Physiology Anatomy requirement.

Plan of Study

The Coaching, Human Performance and Community Sport and Fitness Tracks follow the same Plan of Study for the Freshman and Sophomore Semesters.

Freshman Year - Fall 12 hrs

ENC 1101  Composition I  3 hrs
PSC 1121  Physical Science  3 hrs
PSY 2012  General Psychology  3 hrs

Select 1:

MUL 2010  Enjoyment of Music or 3 hrs
THE 2000  Theatre Survey or 3 hrs
PHI 2010  Introduction to Philosophy  3 hrs

Freshman Year - Spring 16 hrs

BSC 2010C  Biology I  4 hrs
ENC 1102  Composition II  3 hrs
MGF 1106  Finite Mathematics  3 hrs
MUL 1101  American National Government  3 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs

Sophomore Year - Fall 15 hrs

GEP B1 Elective 3 hrs
PET 3005  Introduction to Sport and Exercise Science  3 hrs
PET 3005  Elective Courses (2000 level or higher) 6 hrs

Select 1:

CS 1060C  Introduction to Computers or 3 hrs
STA 1063C  Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Spring 13 hrs

PET 3097  Health and Wellness  3 hrs
GEP B3 Elective (Prefers course from section B1) 3 hrs
Elective Course (2000 level or higher) 3 hrs
ZOO 3736C  Exercise Physiology Anatomy  4 hrs
**Human Performance Track**

**Junior Year - Fall**  
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs  
APK 4110C Exercise Physiology 3 hrs  
Selective Course (2000 level or higher) 3 hrs  
PET 4215 Motivational Aspects of Athletic Performance 3 hrs  

**Select 1:**  
PET 4312K Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science 3 hrs  
PET 4325 Functional Kinesiology for Sport and Exercise Science 3 hrs

**Senior Year - Spring**  
PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs  
Selective Course (2000 level or higher) 3 hrs  
PET 3771 Strength and Conditioning Concepts 3 hrs  
PET 4050C Motor Development and Learning 3 hrs

**Junior Year - Summer**  
Selective Courses (2000 level or higher) 7 hrs

**Select 1:**  
PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor 9 hrs

**Coaching Track**

**Junior Year - Fall**  
APK 4110C Exercise Physiology 3 hrs  
PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs  
PET 3765 Coaching Theory 3 hrs

**Select 1:**  
PET 4312K Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science 3 hrs

**Senior Year - Spring**  
PET 4050C Motor Development and Learning 3 hrs  
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs  
PET 4763 Coaching Methods And Principles 3 hrs  
PET 3204 Sports and Ethics 3 hrs  
Selective Course (2000 level or higher) 3 hrs

**Junior Year - Summer**  
Selective Courses (2000 level or higher) 7 hrs

**Select 1:**  
PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor 9 hrs

**Community Sport and Fitness Track**

**Junior Year - Fall**  
APK 4110C Exercise Physiology 3 hrs  
Elective Course (2000 level or higher) 3 hrs  
PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs  
PET 3820 Teaching Sports Skills I 3 hrs  

**Select 1:**  
PET 4312K Kinesiology/Biomechanics or Functional Kinesiology for Sport and Exercise Science 3 hrs

**Junior Year - Spring**  
LEI 4266 Outdoor And Leisure Activities 3 hrs  
PET 4550C Assessment and Evaluation in Exercise Science 3 hrs  
PET 4763 Coaching Methods And Principles 3 hrs  
SPM 3415 Public Relations in Sport and Exercise Science 3 hrs  
Selective Course (2000 level or higher) 3 hrs

**Senior Year - Fall**  
SPM 3130 Aquatic Management 3 hrs  
SPM 3504 Fiscal and Facilities: Issues in Sport and Exercise Science 3 hrs  
SPIR 4723 Legal Issues in Sport and Exercise Science 3 hrs  
Selective Course (2000 level or higher) 3 hrs

**Junior Year - Summer**  
Selective Courses (2000 level or higher) 7 hrs

**Select 1:**  
PET 4926 Sport and Exercise Science Practicum or Take 3 additional electives in the program approved by advisor 9 hrs

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**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  [http://www.oes.ucf.edu/academiclearningcompacts.html](http://www.oes.ucf.edu/academiclearningcompacts.html)

**Statistics (B.S.)**

**College of Sciences**

**Department of Statistics,**  
**Computer Center II, Room: 212**  

**Email:** statistics@ucf.edu

Dr. David Nickerson, 407-823-5528  
Phone: 407-823-2289

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a “C” (2.0) in each course with a STA prefix.
- 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.
- All prerequisites of courses taught within the College of Sciences will be enforced.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
UCF Degree Programs

- 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.
  - STA 2023 Statistical Methods I 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs

1. UCF General Education Program (GEP) (39 hrs)

- Certain courses must be selected in the GEP for this major bringing the total hours to more than 36.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

- Required MAC 2311C Calculus with Analytic Geometry I 4 hrs
  - Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

- Economics 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics 3 hrs

Social Sciences: Select one. 3 hrs

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

E: Science Foundations (8 hrs)

- Life Science: 4 hrs
  - Required BSC 2010C Biology I 4 hrs

- Physical Science: 4 hrs
  - Required CHM 2045C Chemistry Fundamentals I or 4 hrs
  - Required PHY 2053C College Physics I 4 hrs

2. Common Program Prerequisites (CPP) (11 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.
  - COP 3223C Introduction to Programming with C 3 hrs
  - MAC 2311C Calculus with Analytic Geometry I GEP
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - STA 2023 Statistical Methods I GEP

Complete two laboratory courses designed for science majors:

- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.
- Note: both semesters do not have to be in the same subject area.
- Note: depending on which courses were taken in the GEP, this requirement could require between 0 and 8 credits to complete.

Select two semesters within the following:

- See Basic Core for details.
- Biology majors' courses with labs or Chemistry majors' courses with labs or Physics majors' courses with labs

3. Core Requirements: Basic Level

- All courses specifically identified in the preceding Common Program Prerequisites section of this catalog are also required in the Basic Core, and must be taken;

Core: Required, satisfies the CPP

- COP 3223C Introduction to Programming with C and CPP
- MAC 2311C Calculus with Analytic Geometry I and GEP
  - MAC 2312 Calculus with Analytic Geometry II and GEP
  - MAC 2313 Calculus with Analytic Geometry III and CPP
  - STA 2023 Statistical Methods I and CPP

- or an alternate sequence.

- or complete both

- Lecture plus lab count as one semester.
  - CHM 2046 Chemistry Fundamentals I and CPP
  - CHM 2046L Chemistry Fundamentals Laboratory CPP

- or
  - BSC 2010C Biology I or GEP/CPP
  - BSC 2011C Biology II or CPP
  - PHY 2048C Physics for Engineers & Scientists I or GEP/CPP
  - PHY 2049C Physics for Engineers and Scientists II CPP

4. Core Requirements: Advanced Level (40 hrs)

- STA 4102 Computer Processing of Statistical Data 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- COT 4500 Numerical Calculus 3 hrs

Select from the following courses; 4 hrs

- MAS 3105 Matrix and Linear Algebra or 4 hrs
- MAS 3106 Linear Algebra 4 hrs

Select from the following courses; 12 hrs

- STA 3096 Statistical Graphics or 3 hrs
- STA 4173 Biostatistical Methods or 3 hrs
- STA 4183 Theory of Interest or 3 hrs
- STA 4184 Introduction to Derivative Markets or 3 hrs
- STA 4186 Theory of Derivative Pricing or 3 hrs
- STA 4222 Sample Survey Methods or 3 hrs
- STA 4502 Nonparametric Statistical Methods or 3 hrs
- STA 4504 Categorical Data Analysis or 3 hrs
- STA 4664 Statistical Quality Control or 3 hrs
- STA 4852 Applied Time Series 3 hrs

5. Restricted Electives (9 hrs)

- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MGF 4404 History of Mathematics 3 hrs
  - All MAE courses

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- The following courses from business may be used without prior approval by the Statistics Department.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - FIN 3403 Business Finance 3 hrs

9. Additional Requirements

- None
10. Required Minors

- None

11. Departmental Exit Requirements

- 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.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Mathematics - Applied Track
- Mathematics Education
- Certificates
- None

Related Minors

- Statistics
- Mathematics

Advising Notes

- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
- Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However the listed biology courses are also a core requirement and will need to be taken.
- Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program's core and will still need to be taken.

Plan of Study (120 hrs)

- This is one of numerous possible plans of study. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test – http://knightsource.sdes.ucf.edu/placement
- Prior to enrolling in Math, take Math Placement Test – http://ufc.sdes.ucf.edu/math/
- Although all classes are listed as being taken during the academic year, you may be required to complete 9 hours of them during the Summer. Consult with an advisor to determine if you are exempt.

Freshman Year - Fall

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Senior Year - Fall

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<td>STA 4102</td>
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<td>COT 4500</td>
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<td>ENC 3241</td>
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<td>Elective / Minor</td>
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Sophomore Year - Fall

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Junior Year - Spring

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Junior Year - Fall

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Senior Year - Fall

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<td>Take SOA EXAM P (Probability).</td>
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Technical Education and Industry Training (B.S.)

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see http://distrib.ucf.edu/home.

Admission Requirements

- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida College System or State University institution).
- Have a minimum 2.5 overall GPA
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement
UCF Degree Programs

Degree Requirements

Students should consult with an Education advisor prior to registration.

This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community and state colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor's degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 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

None

4. Core Requirements: Advanced Level (57 hrs)

- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
- ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
- ECT 3367 Evaluation of Career & Technical Education Instruction 3 hrs
- ECW 3564 Special Populations in Career & Technical Education 3 hrs
- ECT 4004 Principles and Practices of Technical Education 3 hrs
- ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
- ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs

Select 1:
- BTE 4410 Course Construction in Business Education 3 hrs
- ECW 3312 Course Construction in Health Occupations Education or 3 hrs
- ECT 3371 Course Construction in Industrial Education 3 hrs

Technical Specialization Requirements (30 hrs)

Students must complete an area of specialization through occupation-specific courses approved by advisor.

5. Restricted Electives (18 hrs)

Upper Division Electives 6 hrs

With advisor's approval

Directed Field Experience 12 hrs

The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Achieve a minimum 2.5 GPA in all courses within the major.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 120

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

None

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

None

Plan of Study (120 hrs)

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
- Select 1: 9 hrs
- Cultural-Historical Foundations Course (Prefer State General) 3 hrs
- Education Core Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- Technical Specialization Course (Prefer State General) 3 hrs
- Social 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

UNIVERSITY OF CENTRAL FLORIDA
Science Foundations Course (Prefer State General Education Core Course) 3 hrs
Foreign Language Course (if needed) 4 hrs

Sophomore Year - Summer 6 hrs
ECW 3564 Special Populations in Career & Technical Education 3 hrs
Select 1: 3 hrs
ECW 3312 Course Construction in Health Occupations Education or
ECT 3371 Course Construction in Industrial Education 3 hrs

Junior Year - Fall 15 hrs
ECT 3367 General Methods/Testing Evaluation in Career & Technical Education Instruction
Technical Specialization Courses 12 hrs

Junior Year - Spring 15 hrs
ECT 3062 Professional Roles of the Career & Technical Teacher 3 hrs
ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs

Senior Year - Fall 12 hrs
ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
ECT 4384 Advanced Teaching Techniques for Career Education 3 hrs
Upper Division Electives 6 hrs

Senior Year - Spring 12 hrs
ECT 4941 Internship 12 hrs

Senior Year - Summer
See advisor for certification details.

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/academiclearningcompacts.html

Theatre (B.F.A.)
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Be Boyd Coordinator: Acting, Belinda.Boyd@ucf.edu
Bert Scott Coordinator: Design & Tech, Stage Management, Bert.Scott@ucf.edu
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 Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.
- An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.
- Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu
- All Acting students must submit a resume, color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.
- All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF theatre production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op credit cannot be used in this major.
- Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
B: Cultural & Historical Foundations (9 hrs)
1 Required THE 2020 Survey of Theatre for Majors 3 hrs
2 Required ARH 2051 History of Western Art I 3 hrs
1 This course is only taught during the fall semesters.
2 Design & Technology Students select ARH 2051 (History of Western Art II)

C: Mathematical Foundations (6 hrs)
Math: 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs
or
Suggested MGF 1106 Finite Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.

Statistics - Computers 3 hrs
Select a course from GEP C.2 list

D: Social Foundations (6 hrs)
1 Required PSY 2012 General Psychology 3 hrs
1 Stage Management Students select PSY 2012 (General Psychology)

E: Science Foundations (6 hrs)
1 THE 2020 Survey of Theatre for Majors GEP
1 THE 2035 Script Analysis for Theatre 3 hrs
THE 2925L Theatre Participation 1 hr
TPP 2290L Theatre Participation-Production I 1 hr
TPP 2110C Acting I - Introduction 3 hrs
Theatre Electives (THE, TPP, TPA prefix) 9 hrs

Acting students select: 3 hrs
TPA 2200 Introduction to Technical Theatre and 2 hrs
TPA 2200L Intro to Technical Theatre Lab 1 hr

Design & Technology and Stage Management 3 hrs
students select:
1 TPA 2210 Stagecraft I 3 hrs
1 See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (12 hrs)
THE 3311 Theatre History and Dramatic Literature I 3 hrs
THE 3312 Theatre History and Dramatic Literature II 3 hrs
THE 3313 Theatre History and Dramatic Literature III 3 hrs
1 TPP 3310C Directing for Theatre I 3 hrs
THE 4954 Theatre Exit Critique 0 hrs
1 See Transfer Notes for possible substitutes.

4. Core Requirements: Advanced Level (61 hrs)
Specialization: select one area

Acting Specialization 58 hrs
TPA 2248C Makeup Techniques and 2 hrs
DAA 2200C Ballet I and 2 hrs
TPP 2170C Acting II - The Actor Prepares and 3 hrs
TPP 3173C Acting III - Building the Character and 3 hrs
TPP 4140C Acting IV - Creating the Role and 3 hrs
TPP 4142C Acting Verse and 3 hrs
TPP 4265C Camera Acting and 3 hrs
TPP 2710C Voice Production I and 2 hrs
TPP 3711C Voice Production II and 2 hrs
TPP 3712C Voice Production III and 2 hrs
TPP 4730C Dialects and 2 hrs
TPP 3510C Movement for the Actor I and 2 hrs
TPP 3513C Movement for the Actor II and 2 hrs
TPP 4531C Period Movement and 2 hrs
TPP 4512C Stage Combat and 2 hrs
TPP 3257C Musical Theatre Voice I and 2 hrs
TPP 3259C Musical Theatre Voice II and 2 hrs
TPP 4221 Auditioning and 3 hrs
TPP 4223C Theatre Careers for Performance and 3 hrs
TPP 2190L Theatre Participation-Performance I and 1 hr
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (Any THE, TPP, TPA, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement)

Select 1: 2 hrs
DAA 2570C Jazz Dance I or 2 hrs
DAA 2100C Modern Dance I 2 hrs

Select 1: 1 hr
TPA 4298L Theatre Participation-Production II or 1 hr
THE 4093L Theatre Participation-Management II or 1 hr
TPP 4190L Theatre Participation-Performance II 1 hr

Stage Management Specialization 55 hrs
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 4298L Theatre Participation-Production II and 1 hr
TPP 3253L Theatre Participation-Production II and 1 hr
TPA 4400 Theatre Management and 3 hrs
TPA 2220C Stage Electronics and 3 hrs
TPA 2600 Stage Management Basics and 3 hrs
TPA 3601 Stage Management and 3 hrs
TPA 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Tech/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Tech/Design II and 3 hrs

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THE 4284 Period Costume, Architecture, and Decor 3 hrs
THE 4285 Period Costume, Architecture, and Decor 3 hrs
TPA 4401C Theatre Careers in Production and 3 hrs
TPA 4260C CADD for Theatre and 2 hrs
TP 3103 Intermediate Acting and 3 hrs
TP 2211 Stagecraft II and 3 hrs
TPA 2000C Theatre Design Basics and 3 hrs
TPP 4512C Stage Combat and 2 hrs
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement)

Select 1: 3 hrs
TPA 3060C Scenic Design for Theatre I or 3 hrs
TPA 3045C Costume Design for Theatre I 3 hrs

Select 1: 3 hrs
TPA 3223C Lighting Design for Theatre I or 3 hrs
TPA 3265C Sound Design for Theatre I 3 hrs

Design & Technology Specialization 52 hrs
ARH 2051 History of Western Art II and GEP
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2220C Stage Electronics and 3 hrs
TPA 4288L Theatre Participation-Production II and 1 hr
TPA 2071C Theatre Rendering and 3 hrs
THE 4284 Period Costume, Architecture, and Decor 3 hrs
THE 4285 Period Costume, Architecture, and Decor 3 hrs
TPA 3195L Summer Theatre Studio/Technique I and 3 hrs
TPA 3197L Summer Theatre Studio/Technique II and 3 hrs
TPA 2211L Stagecraft II Lab and 3 hrs
TPA 2230C Costume Construction and 3 hrs
TPA 2000C Theatre Design Basics and 3 hrs
TPA 4260C CADD for Theatre and 2 hrs
TPA 4251C Advanced CADD for Theatre and 2 hrs
TPA 4401C Theatre Careers in Production and 3 hrs
TPA 3077C Scene Painting and 3 hrs
TPA 3001 Stage Management and 3 hrs
TPA 4066 Advanced Sceneography and 3 hrs
TPP 4940L Theatre Internship 6 hrs

Select 3 9 hrs
TPA 3060C Scenic Design for Theatre I or 3 hrs
TPA 3045C Costume Design for Theatre I or 3 hrs
TPA 3223C Lighting Design for Theatre I or 3 hrs
TPA 3265C Sound Design for Theatre I 3 hrs

1 This course is taken twice

5. Restricted Electives
   - (see specializations for credit hours)
   - Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement. Independent Study, Undergraduate Research, and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator in advance. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - (variable)

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Earn a grade of “C” (2.0) or better in each Theatre course
   - Maintain a Theatre GPA of “B” (3.0) or better
   - Complete an Exit Survey, Exit Interview and Audit
   - Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
   - Minimum of 60 theatre credits must be completed in residency at UCF.
   - Computer Competency met by TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
   - 129

Honors In Major
   - None

Related Programs
   - Art
   - Film
   - Music
   - Theatre Studies

Certificates
   - None

Related Minors
   - Theatre
   - Dance
   - Art - Studio
   - Music
   - Film - Cinema Studies

Advising Notes
   - None

Transfer Notes
   - Lower level courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
   - Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
   - THE 2020 May use any introductory course. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
   - THE 2025 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
   - TPA 2210 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken.
   - TPA 2200 may be substituted with any introductory Stagecraft course.
   - TPP 3310C Directing for Theatre I may be substituted with: TPP 2300 3 hrs
   - Or any introductory Theatre Directing course.
### Plan of Study

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Credit Hours</th>
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<tbody>
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<td>Freshman Year</td>
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<tr>
<td>- Spring</td>
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<tr>
<td>TPA 2200</td>
<td>Introduction to Technical Theatre</td>
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<td>Intro to Technical Theatre Lab</td>
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<td>Theatre History and Dramatic Literature I</td>
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<td>Ballet I</td>
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<tr>
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<td>Theatre History and Dramatic Literature III</td>
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<tr>
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<td>Camera Acting</td>
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<td>Directets</td>
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<tr>
<td>Theatre Elective</td>
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<td>THE 2925L</td>
<td>Theatre Participation</td>
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<tr>
<td>General Education</td>
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<td>THE 4954</td>
<td>Theatre Exit Critique</td>
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<td>Senior Year</td>
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<td>TTP 4512C</td>
<td>Stage Combat</td>
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<td>THE 2925L</td>
<td>Theatre Participation</td>
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<tr>
<td>Theatre Elective</td>
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<tr>
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<tr>
<td>Stage Management</td>
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<td>TPA 2210</td>
<td>Stagecraft I</td>
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<td>Acting I - Introduction</td>
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<td>TPP 4250C</td>
<td>CADD for Theatre</td>
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<tr>
<td>TPA 2600</td>
<td>Stage Management Basics</td>
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</table>

### Freshman Year - Spring

- TPA 2220C: Stage Electronics | 3 hrs
- TPA 2211: Stagecraft I | 3 hrs
- TPA 2211L: Stagecraft I Lab | 1 hr
- TPA 3601: Stage Management | 3 hrs
- THE 2305: Script Analysis for Theatre | 3 hrs
- General Education | 3 hrs

### Freshman Year - Summer

- TPA 3195L: Summer Theatre Studio/Design | 3 hrs
- TPA 3197L: Summer Theatre Studio/Design | 3 hrs

### Sophomore Year - Fall

- TPA 2000C: Theatre Design Basics | 3 hrs
- THE 3311: Theatre History and Dramatic Literature | 3 hrs
- THE 2925L: Theatre Participation | 1 hr
- TPP 3103: Intermediate Acting | 3 hrs
- General Education | 3 hrs
- TPP 4251C: Advanced CADD for Theatre | 2 hrs

### Sophomore Year - Spring

- THE 3312: Theatre History and Dramatic Literature | 3 hrs
- THE 2925L: Theatre Participation | 1 hr
- General Education | 3 hrs
- Select 1: 3 hrs

### Junior Year - Fall

- TPA 4602: Advanced Stage Management | 3 hrs
- General Education | 3 hrs
- General Education | 3 hrs

### Junior Year - Spring

- TPP 4940L: Theatre Internship | 6 hrs

### Senior Year - Fall

- TPA 4400: Theatre Management | 3 hrs
- THE 4284: Period Costume, Architecture, and Decor | 3 hrs
- TPP 3310C: Directing for Theatre I | 3 hrs
- THE 4954: Theatre Exit Critique | 0 hrs
- Theatre Elective | 3 hrs
- General Education | 3 hrs

### Senior Year - Spring

- THE 4285: Period Costume, Architecture, and Decor II | 3 hrs
- Theatre Elective | 3 hrs
- Theatre Elective | 3 hrs
- General Education | 3 hrs

### Design & Technology

### Freshman Year - Fall

- TPA 2220C: Stage Electronics | 3 hrs
- TPA 2211: Stagecraft I | 3 hrs
- TPA 2211L: Stagecraft I Lab | 1 hr
- TPA 2211L: Stagecraft I Lab | 1 hr
- TPA 4250C: CADD for Theatre | 2 hrs
- General Education | 3 hrs

### Freshman Year - Spring

- TPA 2220C: Stage Electronics | 3 hrs
- TPA 2071C: Theatre Rendering | 3 hrs
- TPA 2211: Stagecraft II | 3 hrs
- TPA 2211L: Stagecraft II Lab | 1 hr
- TPA 2230C: Costume Construction | 3 hrs
- THE 2305: Script Analysis for Theatre | 3 hrs

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**University of Central Florida**

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University of Central Florida

UCF Degree Programs

Theatre - Musical Theatre Track (B.F.A.)
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: 210A
http://theatre.cah.ucf.edu/
Dr Steven Chicurel, Steven.Chicurel@ucf.edu
Phone: 407-823-2862

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, 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 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.

Junior Year - Fall
THE 3313 Theatre History and Dramatic Literature III 3 hrs
TPP 2110C Acting I - Introduction 3 hrs
TPA 3060C Costume Design for Theatre I 3 hrs
Junior Year - Spring
TPA 4401C Theatre Careers in Production 3 hrs
General Education 3 hrs
Select 1: 3 hrs
TPA 3090C Scenic Design for Theatre I or 3 hrs
TPA 3045C Costume Design for Theatre I 3 hrs
Junior Year - Summer
TPP 4940L Theatre Internship 6 hrs
Senior Year - Fall
THE 4284 Period Costume, Architecture, and Decor I 3 hrs
TPP 3310C Directing for Theatre I 3 hrs
THE 4954 Theatre Exit Critique 0 hrs
General Education 3 hrs
Select 1: 3 hrs
TPA 3060C Scenic Design for Theatre I or 3 hrs
TPA 3045C Costume Design for Theatre I 3 hrs
Senior Year - Spring
THE 4285 Period Costume, Architecture, and Decor II 3 hrs
General Education 3 hrs
General Education 3 hrs
General Education 3 hrs
Select 1: 3 hrs
TPA 3265C Sound Design for Theatre I or 3 hrs
TPA 3223C Lighting Design for Theatre I 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/academiclearningcompacts.html

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

Undergraduate Catalog 2015-2016

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Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.

Co-op cannot be used in this major.

Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.

All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida College System or State University System.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated 1 (General Education Program) are taken throughout all four years.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
      Required THE 2020 Survey of Theatre for Majors 3 hrs
      Select one course from B.1 list 3 hrs
      Select one course from B.1 or B.2 list 3 hrs
   C: Mathematical Foundations (6 hrs)
      Math: 3 hrs
         Suggested MGF 1106 Finite Mathematics or 3 hrs
         Suggested MGF 1107 Explorations in Mathematics or 3 hrs
      May substitute a higher level math with appropriate scores on the Math Placement Test.
   Statistics - Computers 3 hrs
      Select a course from GEP C.2 list 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (20 hrs)
   See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (23 hrs)
   MUT 1121 Music Theory and Musicianship I 4 hrs
   MUT 1122 Music Theory and Musicianship II 4 hrs
   DAA 2200C Ballet I 2 hrs
   DAA 2201C Ballet II 2 hrs
   DAA 2570C Jazz Dance I 2 hrs
   DAA 2571C Jazz Dance II 2 hrs
   DAA 2520C Tap Dance I 2 hrs
   TPA 2248C Makeup Techniques 2 hrs
   TPP 2170C Acting II - The Actor Prepares 3 hrs

4. Core Requirements: Advanced Level (50 hrs)
   TTP 3173C Acting III - Building the Character 3 hrs
   TTP 4140C Acting IV - Creating the Role 3 hrs
   TTP 3251 Musical Theatre Acting I 3 hrs
   TTP 3252 Musical Theatre Acting II 3 hrs
   THE 4244 Musical Theatre History I 3 hrs
   THE 4245 Musical Theatre History II 3 hrs
   THE 3311 Theatre History and Dramatic Literature I 3 hrs
   THE 3312 Theatre History and Dramatic Literature II 3 hrs
   TTP 3257C Musical Theatre Voice I 2 hrs
   TTP 3258C Musical Theatre Voice II 2 hrs
   TTP 4259C Musical Theatre Voice III 2 hrs
   TTP 4923C Musical Theatre Voice IV 2 hrs
   TTP 4270C Music Theatre Voice V 2 hrs
   TTP 4940L Theatre Internship 6 hrs
   TTP 4223C Theatre Careers for Performance 3 hrs
   TTP 3310C Directing for Theatre I 3 hrs
   THE 4954 Theatre Exit Critique 0 hrs

Select 2 2 hrs
   TPA 4298L Theatre Participation-Production II or 1 hr
   THE 4093L Theatre Participation-Management II or 1 hr
   TTP 4193L Theatre Participation-Performance II 1 hr

Movement Electives 2 hrs
   TTP 4531 Period Movement, TTP 4512C Stage Combat, or any DAA or DAN courses not already required, taught by the department, and with departmental approval.

5. Restricted Electives
   Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   None
8. Electives
   (variable)

9. Additional Requirements
   None
### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course.
- Maintain a Theatre GPA of "B" (3.0) or better.
- Complete an Exit Survey, Exit Interview, and Audit.
- Check the semester prior to final semester of theatre classes.
- Minimum of 60 theatre credits must be completed in residency at UCF.
- Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Computer Competency met by STA 1063C or a computer science course.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

### Total Semester Hours Required
- 129

### Honors In Major
- None

### Related Programs
- Film
- Music
- Theatre Studies

### Certificates
- None

### Related Minors
- Music
- Film - Cinema Studies
- Theatre
- Dance

### Advising Notes
- None

### Transfer Notes
- Courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits.
- University minimum upper division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit.
- The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  1. THE 2020 - Survey of Theatre for Majors 3 hrs
     - may be substituted with: THE 2305 - Script Analysis for Theatre 3 hrs
     - may be substituted with: TPP 2110 - Directing for Theatre I 3 hrs
     - may be substituted with: TPP 2300 - Introduction to Technical Theatre 2 hrs
  2. DAA 2200C - Ballet I 2 hrs
     - may be substituted with: DAA 2200L - Ballet Lab 1 hr
  3. TPP 3250C - Musical Theatre Voice II 2 hrs
     - may be substituted with: TPP 3173C - Acting III - Building the Character 3 hrs
  4. MUS 1121 - Music Theory and Musicianship I 4 hrs
     - may be substituted with: MPU 1121 - Music Theory and Musicianship I 4 hrs

### Plan of Study

#### Freshman Year - Fall
- THE 2020 - Survey of Theatre for Majors 3 hrs
- DAA 2200C - Ballet I 2 hrs
- THE 2305 - Script Analysis for Theatre 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- THE 2925L - Theatre Participation 1 hr

#### Freshman Year - Spring
- TPP 2110C - Acting I - Introduction 3 hrs
- TPP 3251C - Musical Theatre Voice I 2 hrs
- DAA 2201C - Ballet II 2 hrs
- General Education 3 hrs
- General Education 3 hrs
- THE 2925L - Theatre Participation 1 hr
- MUT 1121 - Music Theory and Musicianship I 4 hrs

#### Sophomore Year - Fall
- TPP 3257C - Musical Theatre Voice II 2 hrs
- THE 3311 - Theatre History and Dramatic Literature I 3 hrs
- TPP 4259C - Musical Theatre Voice III 2 hrs
- General Education 3 hrs
- General Education 3 hrs
- TPA 2200 - Introduction to Technical Theatre 2 hrs
- TPA 2200L - Intro to Technical Theatre Lab 1 hr

#### Sophomore Year - Spring
- DAA 2571C - Jazz Dance II 2 hrs
- TPP 3173C - Acting III - Building the Character 3 hrs
- THE 3311 - Theatre History and Dramatic Literature I 3 hrs
- TPP 4223C - Musical Theatre Acting I 3 hrs
- TPP 4257C - Musical Theatre Acting II 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

#### Junior Year - Fall
- TPA 2248C - Makeup Techniques 2 hrs
- THE 3245 - Musical Theatre History I 3 hrs
- TPP 4140C - Acting IV - Creating the Role 3 hrs
- TPP 4923C - Musical Theatre Voice IV 2 hrs
- General Education 3 hrs
- General Education 3 hrs
- THE 2925L - Theatre Participation 1 hr

#### Junior Year - Summer
- TPP 4940L - Theatre Internship 6 hrs

#### Senior Year - Fall
- TPP 3310C - Directing for Theatre I 3 hrs
- DAA 2520C - Tap Dance I 2 hrs
- General Education 3 hrs
- THE 4954 - Musical Theatre History I 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- Theatre Elective 2 hrs

#### Senior Year - Spring
- Movement Elective 2 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- Theatre Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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**UNIVERSITY OF CENTRAL FLORIDA**

**341 Undergraduate Catalog 2015-2016**
The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15 for returning students and are available on our department website. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August prior to the Fall semester.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- 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 must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a "0" credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives. Students designated in 1 (General Education Program) are usually completed in the first 90 hours. Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
   - Math: 3 hrs
   - Suggested MGF 1106 Finite Mathematics or 3 hrs
   - Suggested MGF 1107 Explorations in Mathematics or 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.

2. Common Program Prerequisites (CPP) (20 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (13 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
   - TPP 3310C Directing for Theatre I 3 hrs
   - THE 4954 Theatre Exit Critique 0 hrs
   - Select 1: 1 hr
   - TPA 4298L Theatre Participation-Production II or 1 hr
   - THE 4093L Theatre Participation-Management II or 1 hr
   - TPP 4193L Theatre Participation-Performance II 1 hr

5. Restricted Electives (13 hrs)
   - Any THE, TPA, TPP, DAA, or DAN course taught by the Theatre Department, except THE 3006, and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved in advance by the Theatre Department Undergraduate Coordinator. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.
6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. When no official minor is offered, students may complete an 18-credit-hour area of concentration when pre-approved by the Undergraduate Coordinator.

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course.
- Maintain a “B” (3.0) Theatre GPA or better.
- Write an Exit Critique of a UCF-affiliated production and pass each section evaluated the semester prior to final semester of theatre classes.
- Complete an Exit Survey and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Art
- Film
- Music
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- Music
- Film - Cinema Studies
- Theatre
- Dance
- Event Management

Advising Notes
- None

Transfer Notes
- Lower level courses taken at Florida College System institutions may substitute for select upper division courses with permission of the department, although they will not count as upper division credits. University minimum upper division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2020</td>
<td>Survey of Theatre for Majors</td>
</tr>
<tr>
<td>TPP 2110C</td>
<td>Acting I - Introduction</td>
</tr>
<tr>
<td>TPP 3310C</td>
<td>Directing for Theatre I</td>
</tr>
</tbody>
</table>

Plan of Study

**Freshman Year - Fall**
- THE 2020 Survey of Theatre for Majors 3 hrs
- TPP 2110C Acting I - Introduction 3 hrs
- General Education 3 hrs
- ENC 1101 Composition I 3 hrs
- General Education 3 hrs

**Freshman Year - Spring**
- THE 2305 Script Analysis for Theatre 3 hrs
- TPP 2200 Introduction to Technical Theatre 2 hrs
- TPP 2200L Intro to Technical Theatre Lab 1 hr
- General Education 3 hrs
- Theatre Elective 3 hrs
- General Elective 3 hrs

**Sophomore Year - Fall**
- General Education 3 hrs
- Theatre Elective 3 hrs
- THE 2925L Theatre Participation 1 hr
- General Education 3 hrs
- General Education 3 hrs

**Sophomore Year - Spring**
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- Theatre Elective 3 hrs
- General Education 3 hrs
- General Education 3 hrs
- General Education 3 hrs

**Junior Year - Fall**
- TPP 2290L Theatre Participation-Production I 1 hr
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- General Elective 3 hrs
- General Education 3 hrs
- General Education 3 hrs

**Junior Year - Spring**
- General Elective 3 hrs
- THE 3313 Theatre History and Dramatic Literature III 3 hrs
- General Elective 2 hrs
- TPP 3310C Directing for Theatre I 3 hrs
- General Elective 3 hrs
- General Elective 2 hrs

**Senior Year - Fall**
- THE 4954 Theatre Exit Critique 0 hrs
- General Elective 3 hrs
- Theatre Elective 2 hrs
- THE 2925L Theatre Participation 1 hr
- General Elective 3 hrs
- General Elective 3 hrs
- General Elective 3 hrs

**Senior Year - Spring**
- General Elective 3 hrs
- Theatre Elective 3 hrs
- General Elective 3 hrs
- Theatre Elective 3 hrs
- Theatre Elective 3 hrs
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oel.ucf.edu/academiclearningcompacts.html

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

World Languages Education-French (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language

Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The World Languages Education - French B.S. program offers students the option of two tracks: World Languages Education - French Track and World Languages Education - French Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment outside formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement
- Meet the foreign language admission requirement
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

1. UCF General Education Program (GEP) (36 hrs)
   - Students are advised to take the preferred courses.
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Required SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Prefer STA 1063C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs
   - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs
   - FRE 2201 Intermediate French Language and Civilization I 3 hrs
   - FRE 3300 French Grammar 3 hrs
   - FRE 3420 French Composition 3 hrs
   - FRW 3100 Survey of French Literature I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
   - Education Track requires 3 semester hours
   - Lifelong Learning Track requires 6 semester hours

   Education Track 3 hrs
   1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
   2 EDP 2270 Adult Development & Learning 3 hrs

4. Core Requirements: Advanced Level (57 hrs)
   - Education Track requires 60 semester hours
   - Lifelong Learning Track requires 57 semester hours

   Education Core Requirements 18 hrs
   1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
   1 EDF 4467 Learning Theory and Assessment 3 hrs
   1 TSL 4080 Theory and Practice of Teaching ESL 3 hrs
   2 EEM 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
   1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   1 EDF 4603 Foreign Language Teaching in Elementary Schools 3 hrs
   2 Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

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

#### Internship I  
3 hrs
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of "C-" or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu](http://www.clinicalexperiences.education.ucf.edu).
- FLE 3940 Internship 3 hrs
- Other Cognate Requirements (Linguistics) 3 hrs
  - FLE 3780 French Phonetics and Diction 3 hrs

#### Internship II  
12 hrs
- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (French K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexp/](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

#### Lifelong Learning Track Specialization  
39 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of "C-" (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.
  - FLE 3760 Advanced French Oral Communication 3 hrs
  - FRW 3101 Survey of French Literature II 3 hrs
  - FLE 4421 Advanced French Conversation 3 hrs
  - FLE 4422 Advanced French Composition 3 hrs
  - FLE 3780 French Phonetics and Diction 3 hrs
  - Upper division electives (FRE/FRW 3/4XXX with advisor’s consent) 3 hrs
  - FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
  - FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
  - EDG 4941 Directed Field Experience 1 hr
  - EDG 4948 Service Learning 3 hrs
  - DIG 3525 Digital Media Production I 3 hrs
  - DIG 2000 Introduction to Digital Media 3 hrs
  - DIG 2030C Digital Video Fundamentals 3 hrs
  - DIG 2109C Digital Imaging Fundamentals 3 hrs
  - DIG 2500C Fundamentals of Interactive Design 3 hrs
  - DIG 2511 User-Centered Design 3 hrs
  - DEP 2004C Developmental Psychology 3 hrs
  - DEP 3002 Psychology of Exceptional Children 3 hrs
  - DEP 3464 Psychology of Aging 3 hrs
  - EXP 3604C Cognitive Psychology 4 hrs
  - EXP 3250 Principles of Human Factors Psychology 3 hrs
  - EAB 3703C Principles of Behavior Modification 4 hrs
  - MAN 3025 Management of Organizations 3 hrs
  - MAN 4101 Human Relations in Management 3 hrs
  - MAR 3023 Marketing 3 hrs
  - ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
  - HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
  - HFT 2750 The Event Industry 3 hrs
  - HFT 3798 Fairs and Festivals 3 hrs
  - HFT 4754 Exhibit and Trade Show Operations 3 hrs
  - COM 3311 Communication Research Methods 3 hrs
  - COM 3330 Computer Mediated Communication 3 hrs
  - COM 4461 Intercultural Communication 3 hrs
  - SPC 1603C Fundamentals of Technical Presentations 3 hrs
  - SPC 3301 Interpersonal Communication 3 hrs
  - SPC 3425C Group Interaction and Decision-Making 3 hrs
  - SPC 3445 Leadership Through Oral Communication 3 hrs
  - SPC 4331 Nonverbal Communication 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

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 Florida Educator Accomplished Practices.

Education Track
- Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002)
12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Recommended Four Year Sequence of Courses

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs
- Select 1: 3 hrs

Freshman Year - Spring 12 hrs
- GEP B1 Elective 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

Junior Year - Fall 12 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDS 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Special Settings 3 hrs
- TSL 4080 Theory and Practice of Teaching ESL to Students in Schools 3 hrs

Junior Year - Spring 15 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Education Track 12 hrs
- FRE 4422 Advanced French Composition and Literature 3 hrs
- FRE 3780 French Phonetics and Diction and Intonation 3 hrs
- FRE 3760 Advanced French Oral Communication and Interpretation 3 hrs
- FRW 3101 Survey of French Literature I 3 hrs

Lifelong Learning Track 6 hrs
- MHS 2330 Career Planning and Development 3 hrs
- Choose Lifelong Learning Specialization courses 3 hrs

Senior Year - Fall 12 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

Education Track 12 hrs
- FLE 3940 Internship and Practicum 3 hrs
- FLE 4421 Advanced French Conversation and Culture 3 hrs
- Upper division restricted electives (FRE/FRW 3/4XXX with advisor's consent) 6 hrs

Lifelong Learning Track 6 hrs
- Choose Lifelong Learning Specialization courses 6 hrs

Senior Year - Spring 12 hrs

Education Track 12 hrs
- FLE 4333 Foreign Language Teaching in the Elementary School 3 hrs

Lifelong Learning Track 6 hrs
- Choose Lifelong Learning Specialization courses 6 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Full-Time Student: $24 per term
- Part-Time Student: $12 per term

World Languages Education-Spanish (B.S.)
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language
Email: kverkler@mail.ucf.edu

Dr. Karen Verkler, ED 220L, Karen.Verkler@ucf.edu, 407-823-5235
Dr. Janet Andreasean, ED 123Q, Janet.Andreasean@ucf.edu

The World Languages Education - Spanish B.S. program offers students the option of two tracks: World Languages Education - Spanish Track and World Languages Education - Spanish Lifelong Learning Track (non-certification). The Education Track is appropriate for students interested in opportunities for employment
with formal, K-12 schools that require certification. The Lifelong Learning Track is appropriate for students seeking opportunities for employment outside formal, K-12 schools that do not require certification.

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from a Florida College System or State University System institution.
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.
- Have a minimum 2.5 overall GPA
- Education Track: Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted). The Lifelong Learning Track is a non-certification program and does not require the General Knowledge Test.

**Degree Requirements**
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- The Education Track is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066.

**Degree requirements are subject to change based on state mandates.**

1. **UCF General Education Program (GEP) (36 hrs)**
   - Students are advised to take the preferred courses.
   - **A: Communication Foundations (9 hrs)**
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - **B: Cultural & Historical Foundations (9 hrs)**
     - General Education Program course from Section B1 to meet Gordon Rule Requirement
     - Select 1:
       - Prefer MUL 1010 Enjoyment of Music or 3 hrs
       - Prefer THE 2000 Theatre Survey or 3 hrs
       - Prefer PHI 1010 Introduction to Philosophy 3 hrs
   - **C: Mathematical Foundations (6 hrs)**
     - Prefer MGF 1106 Finite Mathematics 3 hrs
   - Select 1: 3 hrs
     - Prefer STA 1063C Basic Statistics Using Microsoft Excel or 3 hrs
     - Prefer STA 2014C Principles of Statistics 3 hrs
   - **D: Social Foundations (6 hrs)**
     - Prefer 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) (21 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
   - **SPN 2201** Intermediate Spanish Language and Civilization II 3 hrs
   - **SPN 3300** Advanced Spanish Grammar and Composition 3 hrs
   - **SPN 3420** Spanish Composition 3 hrs
   - **SPW 3100** Survey of Spanish Literature I 3 hrs

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
2. SPW 3130 and SPW 3131 may substitute for SPW 3100 and SPW 3101

3. **Core Requirements: Basic Level (3 hrs)**
   - **EDF 2130** Child and Adolescent Development for Educators 3 hrs
   - **SPN 2201** Intermediate Spanish Language and Civilization II 3 hrs
   - **SPN 3300** Advanced Spanish Grammar and Composition 3 hrs
   - **SPN 3420** Spanish Composition 3 hrs
   - **SPW 3100** Survey of Spanish Literature I 3 hrs

1. Courses taken at Florida College System institutions may substitute for select courses in Other Program Requirements with the permission of the department.

**Lifelong Learning Track**
- MHS 2330 Career Planning 3 hrs
- **Select 1:**
  - **EDF 2130** Child and Adolescent Development for Educators 3 hrs
  - **EDP 2270** Adult Development & Learning 3 hrs

**Education Track Core Requirements**
- **EDG 4410** Teaching Strategies and Classroom Management 3 hrs
- **EDF 4467** Learning Theory and Assessment 3 hrs
- **TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- **RED 4043** Content Reading in Kindergarten through Grade 12 3 hrs
- **EEX 4242** Teaching Exceptional Students in Secondary Settings 3 hrs
- **EDF 4603** Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1. Pre-requisite for Internship I (Education Track)
2. Florida College System institution transfer students may substitute EEX 2010 Introduction to Special Education.

**Education Track Specialization Requirements**
- **FLE 4333** Foreign Language Teaching in the Secondary School 3 hrs
- **FLE 4314** Foreign Language Teaching in Elementary Schools 3 hrs
- **SPN 3760** Advanced Spanish Oral Communication 3 hrs
- **SPN 3762** Survey of Spanish Literature II 3 hrs
- **SPN 3344** Advanced Spanish Native Fluency I 3 hrs
- **SPN 3345** Advanced Spanish Native Fluency II 3 hrs
- **SPN 4520** Latin American Civilization and Culture 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**
- **UCF Degree Programs**
- **3. Core Requirements: Basic Level (3 hrs)**
  - **EDF 2130** Child and Adolescent Development for Educators 3 hrs
  - **SPN 2201** Intermediate Spanish Language and Civilization II 3 hrs
  - **SPN 3300** Advanced Spanish Grammar and Composition 3 hrs
  - **SPN 3420** Spanish Composition 3 hrs
  - **SPW 3100** Survey of Spanish Literature I 3 hrs

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
**UCF Degree Programs**

**Other Cognate Requirements** 3 hrs

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3852</td>
<td>Bilinguismo or</td>
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<tr>
<td>SPN 4800</td>
<td>Spanish-American Syntax or</td>
</tr>
<tr>
<td>SPN 4801</td>
<td>Spanish Morphosyntax</td>
</tr>
</tbody>
</table>

**Internship I** 3 hrs
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C-” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- 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 ESL. 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.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all Florida Educator Accomplished Practices in accordance with the Florida Department of Education Certification I. 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.

**Internship II Block** 12 hrs
- At least 80% of all required language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing scores on all sections [General Knowledge, Professional, and Subject Area (Spanish K-12)] of the Florida Teacher Certification Examination (FTCE) are required prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

**Lifelong Learning Track Specialization** 39 hrs
- Select preferred specialization courses with advisor approval. A minimum of nine (9) hours must be taken in the content area. Substitutions are allowed with advisor approval.
- A grade of “C-” (1.75) or better is required.
- Must have a total of 48 or more hours of upper level courses to graduate.

<table>
<thead>
<tr>
<th>Advanced Spanish Oral Communication</th>
<th>3 hrs</th>
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<tbody>
<tr>
<td>Survey of Spanish Literature II</td>
<td>3 hrs</td>
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<tr>
<td>Advanced Spanish Nuency I</td>
<td>3 hrs</td>
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<tr>
<td>Advanced Spanish Nuency II</td>
<td>3 hrs</td>
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<tr>
<td>Latin American Civilization</td>
<td>3 hrs</td>
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<tr>
<td>Advanced Spanish Conversation</td>
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<td>Advanced Spanish Composition</td>
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<tr>
<td>Spanish Civilization and Culture</td>
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<tr>
<td>Bilinguismo</td>
<td>3 hrs</td>
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<tr>
<td>Spanish-American Syntax</td>
<td>3 hrs</td>
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<tr>
<td>Spanish Morphosyntax</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Upper division electives (SPN 34XX)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**FLE 4333** Foreign Language Teaching in the Secondary School 3 hrs
**FLE 4314** Foreign Language Teaching in Elementary Schools 3 hrs
**EDG 4941** Directed Field Experience 1 hr
**EDG 4948** Service Learning 3 hrs
**DIG 2030C** Digital Video Fundamentals 3 hrs
**DIG 3525** Digital Media Production I 3 hrs
**DIG 2109C** Digital Imaging Fundamentals 3 hrs
**DIG 2500C** Fundamentals of Interactive Design 3 hrs
**DIG 3811** User-Centered Design 3 hrs
**DEP 2004C** Developmental Psychology 3 hrs
**DEP 3202** Psychology of Exceptional Children 3 hrs
**DEP 3464** Psychology of Aging 3 hrs
**EXP 3604C** Cognitive Psychology 4 hrs
**EXP 3250** Principles of Human Factors Psychology 3 hrs
**EAB 3703C** Principles of Behavior Modification 4 hrs
**MAN 3025** Management of Organizations 3 hrs
**MAN 4101** Human Relations in Management 3 hrs
**MAR 3023** Marketing 3 hrs
**ECT 4184** Curriculum Development Techniques for Industry Training 3 hrs
**HFT 1000** Introduction to the Hospitality and Tourism Industry 3 hrs
**HFT 2750** The Event Industry 3 hrs
**HFT 3798** Fairs and Festivals 3 hrs
**HFT 4754** Exhibit and Trade Show Operations 3 hrs
**COM 3311** Communication Research Methods 3 hrs
**COM 3330** Computer Mediated Communication 3 hrs
**COM 4461** Intercultural Communication 3 hrs
**SPC 1603C** Fundamentals of Technical Presentations 3 hrs
**SPC 3301** Interpersonal Communication 3 hrs
**SPC 3425C** Group Interaction and Decision-Making 3 hrs
**SPC 3445** Leadership Through Oral Communication 3 hrs
**SPC 4331** Nonverbal Communication 3 hrs

5. **Restricted Electives**
- None

6. **Capstone Requirements**
- None

7. **Foreign Language Requirements**

   **Admissions**
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

   **Graduation**
   - None

8. **Electives**
- None

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 Florida Educator Accomplished Practices.

   **Education Track**
   - Pass all applicable sections of the Florida Teacher Certification Examination. Effective January 1, 2015, only examination results earned by educators within 10 years prior to the date of application for a new Florida Educator’s Certificate with the Florida Department of Education may be acceptable for certification eligibility requirements (SBE Rule 6A-4.002).

12. **University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF.

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Advising Notes**

- None

**Transfer Notes**

- None

**Acceptable Substitutes for Transfer Courses**

- None

### Plan of Study

#### Recommended Four Year Sequence of Courses

**Freshman Year - Fall**
- GEP B1 Elective: 3 hrs
- ENC 1101: Composition I: 3 hrs
- MGF 1106: Finite Mathematics: 3 hrs
- PSY 2012: General Psychology: 3 hrs

**Freshman Year - Spring**
- GEP B3 Elective (Prefer course from section B1): 3 hrs
- ENC 1102: Composition II: 3 hrs
- POS 2041: American National Government: 3 hrs
- PSC 1121: Physical Science: 3 hrs

**Freshman Year - Summer**
- SPN 2201: Intermediate Spanish Language and Civilization II: 3 hrs

**Sophomore Year - Fall**
- EDF 2130: Child and Adolescent Development for Educators: 3 hrs
- SPN 3300: Advanced Spanish Grammar and Composition: 3 hrs

**Sophomore Year - Spring**
- EDF 2085: Introduction to Diversity for Educators: 3 hrs
- EME 2040: Introduction to Technology for Educators: 3 hrs
- SPN 3420: Spanish Composition: 3 hrs

**Sophomore Year - Summer**
- SPW 3100: Survey of Spanish Literature I: 3 hrs

**Junior Year - Fall**
- EDF 4410: Teaching Strategies and Classroom Management: 3 hrs
- SPN 3344: Advanced Spanish Native Fluency I and
- SPN 3760: Advanced Spanish Oral Communication and
- SPW 3101: Survey of Spanish Literature II and
- SPN 4520: Latin American Civilization and Culture: 3 hrs

**Education Track**
- 12 hrs

**Lifelong Learning Track**
- Choose Lifelong Learning Specialization courses: 12 hrs

**Junior Year - Spring**
- EDF 4467: Learning Theory and Assessment: 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

**Education Track**
- 3 hrs

**Lifelong Learning Track**
- MHS 2330: Career Planning: 3 hrs

**Junior Year - Summer**
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools: 3 hrs

**Education Track**
- 6 hrs

**Lifelong Learning Track**
- Choose Lifelong Learning Specialization courses: 6 hrs

**Senior Year - Fall**
- EED 4941: Internship: 12 hrs

**Lifelong Learning Track**
- Choose Lifelong Learning Specialization courses: 12 hrs

**Senior Year - Spring**
- FLE 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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**
- Part-Time Student: $12 per term
- Full-Time Student: $24 per term
UCF Degree Programs

Writing and Rhetoric (B.A.)

College of Arts and Humanities
Department of Writing and Rhetoric
Email: writingandrhetoric@ucf.edu

Dr. Blake Scott, Director, bscott@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, Adele@ucf.edu, 407-823-0349

The Bachelor of Arts degree in Writing and Rhetoric provides students with in-depth training in the interrelated fields of writing, rhetorical, and literacy studies, preparing them for a range of writing-focused jobs that involve the analysis, creation, editing, adaptation, and/or coordination of written, digital, and multimedia texts.

Admission Requirements

- 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 course used to fulfill the requirements of the 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 Writing and Rhetoric Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy major and a minimum 2.0 GPA across all attempts of courses that could be used to satisfy the major.

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

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer PHI 2010 Introduction to Philosophy 3 hrs
- Select one course from B.1 list 3 hrs
- Select one course from B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Required MTH 1210 Calculus I 3 hrs

D: Social Foundations (6 hrs)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (9 hrs)
- Students should take these courses as early in the program as possible.
- ENC 3331 Rhetoric and Civic Engagement 3 hrs
- ENC 3502 Researching Writing and Literacy 3 hrs
- ENG 3836 Professional Lives and Literacy Practices 3 hrs

4. Core Requirements: Advanced Level (6 hrs)
- Extending Theories and History of Writing, Rhetoric, and Literacy
- Students must take at least 6 hours from this category.
- ENC 3373 Cultural Rhetorics 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- ENC 4424 Visual and Material Rhetorics 3 hrs
- ENC 3417 Literacy and Technology 3 hrs
- ENC 3521 Writing Across Difference 3 hrs
- ENC 3315 Argumentative Writing 3 hrs
- ENC 3503 Topics in Writing & Literacy Studies 3 hrs

5. Restricted Electives (18 hrs)
- Applications of Writing and Rhetoric 9 hrs
- Students must take at least 9 hours of courses from the Civic and Cultural Writing and Rhetoric and Professional and Digital Writing clusters; these 9 hours can come from either or both clusters.

Civic and Cultural Writing and Rhetoric

- ENC 3311 Essay as Cultural Commentary 3 hrs
- ENC 3372 Topics in Civic Rhetoric and Writing 3 hrs
- ENC 3375 Rhetoric in Popular Culture 3 hrs
- ENC 4353 Writing for Social Change 3 hrs
- ENC 4354 Writing with Communities and Nonprofits 3 hrs
- ENC 4378 Writing in Global and Transnational Contexts 3 hrs

Professional and Digital Writing

- ENC 3250 Professional Writing 3 hrs
- ENC 3351 Writing for Publication 3 hrs
- ENC 3433 Multimedia Writing and Composition 3 hrs
- ENC 4353 Writing About Health and Medicine 3 hrs
- ENC 4354 Topics in Professional and Digital Writing 3 hrs
- ENC 4355 Writing about Science and Technology 3 hrs
- ENC 4212 Professional Editing 3 hrs
- ENC 4416 Writing in Digital Environments 3 hrs
- ENG 3833 Marketing Your Writing 3 hrs

Writing Practicum (3 hrs)
- Choose one of the following three courses.
- ENC 4275 Theory and Practice of Tutoring Writing 3 hrs
- ENC 4373 Writing in Disciplinary Cultures 3 hrs
- ENC 4944 Writing Internship 3 hrs

Advised Electives (6 hrs)
- Choose from any DWR 3000 or 4000 level courses not otherwise used to satisfy major requirements, and/or choose from among any approved upper-level, writing-intensive courses in another department.

6. Capstone Requirements (3 hrs)
- ENC 4379 Writing and Rhetoric Capstone 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.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor, certificate, or approved program of study (at least 18 hours). A minor and/or certificate from the Department of Writing and Rhetoric cannot be used to satisfy this requirement.
- Can be Minor, Certificate, or Approved Area of Study
- 18 hours minimum.
- No more than 6 hours can overlap with courses used to satisfy the major.
- Can be a UCF minor or an interdisciplinary set of courses tailored to the student’s professional goals and approved by a program advisor.

11. Departmental Exit Requirements
- Students must complete an electronic writing portfolio that meets program requirements. This e-portfolio will be completed as part of ENC 4379 (Writing and Rhetoric Capstone), and must be approved by the student’s ENC 4379 instructor and the program director or designee.
- 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, and nine hours of Summer credit.

Total Semester Hours Required
120

Honors in Major
Application and admission through the Writing and Rhetoric Degree Programs Office and the Burnett Honors College.
Fulfill University requirements for Honors in the Major.
Successful completion and oral defense of Honors thesis.

Related Programs
Interdisciplinary Studies

Certificates
Health Communication

Related Minors
Legal Studies
Education
Digital Media
History
Political Science
Interpersonal/Organizational Communication
Journalism Studies
Magazine Journalism
Marketing
Mass Communication
Public Administration
Nonprofit Management/National Certification in Nonprofit Management
Information Technology
Entrepreneurship
International and Global Studies
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication

Advising Notes
None

Transfer Notes
Transfer courses in which students earned lower than a "C" (2.0) will not be accepted.
Lower-level courses taken at community or state colleges do not substitute for upper-level courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
POS 2041 American National Government 3 hrs
GEP 3 hrs
GEP 3 hrs

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall
PHI 2010 Introduction to Philosophy 3 hrs
GEP 3 hrs
Core Course 3 hrs
Foreign Language Course 4 hrs
Course in Minor/Certificate/Program of Study 3 hrs

Sophomore Year - Spring
Core Course 3 hrs
Core Course 3 hrs
Foreign Language Course 4 hrs
Course in Minor/Certificate/Program of Study 3 hrs
Elective 3 hrs

Junior Year - Fall
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Course in Minor/Certificate/Program of Study 3 hrs
Elective 3 hrs

Junior Year - Spring
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Course in Minor/Certificate/Program of Study 3 hrs
Elective 3 hrs

Senior Year - Fall
ENC 4944 Writing Internship 3 hrs
Advised Elective 3 hrs
Course in Minor/Certificate/Program of Study 3 hrs
Elective 3 hrs
Elective 3 hrs

Senior Year - Spring
ENC 4379 Writing and Rhetoric Capstone 3 hrs
Advised Elective 3 hrs
Elective 3 hrs
Elective 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/academiclearningcompacts.html
MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Minors
Accounting
Actuarial Science
Aerospace Studies
Africana Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
Art Education
Art History
Asian Studies
Astronomy
Bioengineering
Biology
Biomedical Sciences
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences and Disorders
Community Arts - PAVE
Computer Science
Crime, Law, and Deviance
Criminal Justice
Dance
Digital Humanities
Digital Media
Diplomacy
Diversity and Social Inequality
Early Childhood
Development and Education
Economics
Education
Emergency Management and Homeland Security
Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Event Management
Exceptional Student Education
Film - Cinema Studies
Finance
Fitness Training
Florida Studies
French
Global Peace and Security Studies
Health Informatics and Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Human Communication
Human Services
Humanities and Cultural Studies
Information Technology
Intelligence and National Security
Intelligent Robotic Systems
International and Global Studies
International Business
International Engineering
Italian
Journalism Studies
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mass Culture and Collective Behavior
Mathematical Biology
Mathematics
Mathematics Education
Medical Anthropology
Medical Sociology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Music
Nanoscale Science and Technology
Nonprofit Management/National Certification in Nonprofit Management
North American Indian Studies
Performing Arts Administration
Philosophy
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Religion and Cultural Studies
Russian Studies
Science Education
Secure Computing and Networks
Social Science Education
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Terrorism Studies
Theatre
Urban and Regional Planning
Women’s and Gender Studies
World Comparative Studies
World Languages Education - English for Speakers of Other Languages
World Languages Education - Languages Other Than English
Writing and Rhetoric

Certificates
Aging Studies Certificate
Anthropology of Global Health 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
Engineering Leadership Certificate
Entrepreneurship Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Gender Studies Certificate
Health Communication Certificate
Human Biology Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Leadership Studies Certificate
Native American Studies Certificate
Nonprofit Management Certificate
Professional Selling and Sales Management Certificate
Public and Professional Writing Certificate
Real Estate: Mortgage Brokerage Certificate
Real Estate: Real Estate Appraisal Certificate
Real Estate: Real Estate Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Teaching English as a Foreign Language Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
**Accounting - Minor**

**College of Business Administration**

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

http://web.bus.ucf.edu/accounting

Phone: 407-823-2184

For Business and Non-Business Majors.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses** (9 hrs)

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ACG 3131 Intermediate Financial Accounting I 3 hrs

**Restricted Electives** (12 hrs)

Select 4:

- At least three courses must have either an ACG or TAX prefix
- ACG 3361 Cost Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4401C Accounting Information Systems 3 hrs
- ACG 4651 Auditing 3 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4453 Financial Models 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used toward the minor.
- 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, david.nickerson@ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the required courses for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

**Minor Admission Requirements**

- Students need to complete the prerequisite courses.

**Minor Requirements**

- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.
- ECO 2013 Principles of Microeconomics 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

**Required Courses** (21 hrs)

- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- MAC 2311C Calculus with Analytic Geometry I 4 hrs
- STA 3403 Business Finance 3 hrs
- STA 4183 Theory of Interest 3 hrs
- STA 4184 Introduction to Derivative Markets 3 hrs
- STA 4186 Theory of Derivative Pricing 3 hrs
- STA 4852 Applied Time Series 3 hrs

**Restricted Electives**

- No additional courses are required.

**Foreign Language Requirements**

- No Foreign Language is required.

**Total Semester Hours Required**

- 21

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.

**Aerospace Studies - Minor**

**College of Engineering and Computer Science**

Air Force ROTC, Classroom Building 2, Room: 221

Colonel Todd M. Lance Kildron

Phone: 407-823-1247

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses** (16 hrs)

- AFR 1101C The Air Force Today I 1 hr
- AFR 1111C The Air Force Today II 1 hr
- AFR 2130C The Development of Air Power I 1 hr
- AFR 2131C The Development of Air Power II 1 hr
- AFR 3202C Air Force Leadership and Management I 3 hrs
- AFR 3230C Air Force Evaluation and Management II 3 hrs
- AFR 4201C National Security Affairs and Prep for Active Duty I 3 hrs
- AFR 4210C National Security Affairs and Prep for Active Duty II 3 hrs
Minors

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 below “C” (2.0) 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.

Africana Studies - Minor

College of Arts and Humanities
Colbourn Hall, Room: 110

http://www.aas.cah.ucf.edu/
Anthony Major, Director, anthony.major@ucf.edu, 407-823-0026

The College of Arts and Humanities offers a minor in Africana Studies, which gives students the opportunity to explore the African Diaspora experience from a multi-disciplinary perspective. It is dedicated to developing knowledge and expertise of the Africana Diaspora, including Africa, North America, Central and South America, the Caribbean, Europe and beyond. The minor incorporates courses from many different disciplines including Music, Fine Arts, History, English, Foreign Languages, Political Science, Psychology, Sociology, Anthropology, Film, Theatre and the Sciences.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- AFA 3102 Introduction to Africana Studies: A Multidisciplinary Approach 3 hrs
- AFA 3104 The Black Intellectual Experience 3 hrs
- AFA 3006 The African Diaspora: Theories and Movements 3 hrs

Select 1:
- AFA 4242 Contemporary Issues in Africana Studies 3 hrs
- AFA 4105 Documenting Africana Heritage and Life 3 hrs

Restricted Electives (6 hrs)
- Additional courses may be used only with the prior permission of the program Director.
- Select two courses from one of the following areas of specialization.

General-Interdisciplinary (6 hrs)
- Select two from the following
  - AML 3613 Narratives of Slavery or 3 hrs
  - ANT 3319 Slavery, Resistance, and Cultural Dynamics 3 hrs
  - FIL 3831 Black Cinema or 3 hrs
  - INR 3250 Politics of Pan-Africanism or 3 hrs
  - LAS 4023 African Caribbean Experience or 3 hrs
  - LIT 3192 Caribbean Literature or 3 hrs
  - SOP 3724 Psychology of Prejudice or 3 hrs
  - SYD 3700 Race and Ethnicity or 3 hrs
  - WST 3460 Women, Race and Struggle or 3 hrs
  - POT 4345 Pan-Africanist Thought 3 hrs

Caribbean/Central, South America (6 hrs)
- Select two from the following
  - AFA 3955 Study Abroad in Eastern Caribbean or 6 hrs
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ANT 4340 Caribbean Cultures or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs

North American (6 hrs)
- Select two from the following
  - AFA 3200 African American Music or 3 hrs
  - AFA 3371 Evolution of Hip Hop or 3 hrs
  - AFA 3420 Malcolm X, Black Nationalism, and Internationalism or 3 hrs
  - AMH 3403 History of the South Since 1865 or 3 hrs
  - AMH 3572 Black American History II or 3 hrs
  - AML 3613 Narratives of Slavery or 3 hrs
  - AML 3614 Topics in African-American Literature or 3 hrs
  - AML 3615 Harlem, Haiti, and Havana or 3 hrs
  - ANT 3398 Black/Seminole Relations or 3 hrs
  - FIL 3831 Black Cinema or 3 hrs
  - MUL 2016 Evolution of Jazz or 3 hrs
  - PHP 3761 African-American Philosophy or 3 hrs
  - POS 4622 Politics and Civil Rights or 3 hrs
  - PUP 3314 Minorities in American Politics 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.
- All minors are required to attend an orientation session at beginning of the first semester after the minor is declared.
- Complete an exit survey and audit check in the graduating semester.

Aging Studies - Minor

College of Health and Public Affairs
School of Social Work,
Health and Public Affairs, Room: 204

Email: socialwk@ucf.edu
Dr. Denise Gammonley
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.
Minors

Undergraduate Catalog 2015-2016

American Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 201
http://www.cah.ucf.edu/
Delia Garcia, Delia.Garcia@ucf.edu
Phone: 407-823-3312

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- Literature and Humanities 3 hrs
  - Select 1: 3 hrs
  - AML 3031 American Literature I or 3 hrs
  - AML 4101 American Novel or 3 hrs
  - AML 4281 Literature of the South or 3 hrs
  - AML 3882 Ethnic Literature in America 3 hrs

Social Sciences 3 hrs
- Select 1: 3 hrs
  - POS 3413 The American Presidency or 3 hrs
  - POT 3204 American Political Thought or 3 hrs
  - SYD 3700 Race and Ethnicity or 3 hrs
  - SYP 3630 Popular Culture In Society 3 hrs

History 3 hrs
- Select 1: 3 hrs
  - AMH 3561 Women in American History I or 3 hrs
  - AMH 4110 Colonial America, 1607-1763 or 3 hrs
  - AMH 4130 The Age of the American Revolution, 1763-1789 or 3 hrs
  - AMH 4311 American Culture I or 3 hrs
  - AMH 4312 American Culture II 3 hrs

Restricted Electives (9 hrs)
9 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

American Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 201
http://www.cah.ucf.edu/
Delia Garcia, Delia.Garcia@ucf.edu
Phone: 407-823-3312

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- ANT 2000 General Anthropology 3 hrs
### Minors

#### Required Courses (15 hrs)
- **A. Concentration in General Anthropology**
  - ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- **B. Concentration in Archaeology**
  - ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- **C. Concentration in Physical Anthropology**
  - ANT 2511 The Human Species 3 hrs
- **D. Concentration in Cultural Anthropology**
  - ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs

#### Select from the following courses; 12 hrs
- **A. Concentration in General Anthropology**
  - ANT 3106 Archaeology and Popular Culture or 3 hrs
  - ANT 3115 Archaeological Method and Theory or 3 hrs
- **B. Concentration in Archaeology**
  - ANT 3160 Americas Before Columbus or 3 hrs
  - ANT 3161 Ancient Mexico: Aztec to Zapotec 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 4153 North American Archaeology or 3 hrs
  - ANT 4180C Seminar in Laboratory Analysis or 3 hrs
  - **1 ANT 4183 Archaeological Science or 3 hrs**
  - **1 ANT 4184 Mortuary Archaeology or 3 hrs**
  - **1 ANT 4824 Advanced Archaeological Fieldwork or 9 hrs**
  - **1 ANT 4916 Problems in Maya Studies or 3 hrs**
  - **1 ANT 5167 Maya Hieroglyphs or 3 hrs**
  - **1 ANT 5228 Maya Iconography or 3 hrs**
  - **1 ANT 5822 Maya Field Research or 3 hrs**

#### Restricted Electives (15 hrs)
- **ANT 3398 Black/Semino Relations or 3 hrs**
- **1 ANT 4332 People and Cultures of Latin America or 3 hrs**
- **1 ANT 4303 Anthropology of Tourism or 3 hrs**
- **ANT 3701 Engagement & Social Change: Public Anthropology or 3 hrs**
- **1 ANT 4702 Culture, Inequality and Global Development or 3 hrs**
- **1 ANT 4902 Ethnographic Field Methods or 3 hrs**
- **1 ANT 3610 Language and Culture or 3 hrs**
- **1 ANT 4340 Caribbean Cultures or 3 hrs**
- **ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas or 3 hrs**
- **ANT 4034 History of Anthropological Thought or 3 hrs**
- **ANT 4266 Economic Anthropology: Production, Consumption, and Exchange or 3 hrs**
- **ANT 4352 African Societies and Cultures or 3 hrs**
- **ANT 4408 Culture, Disease, and Healing or 3 hrs**
- **ANG 5167 Maya Hieroglyphs or 3 hrs**
- **ANG 5228 Maya Iconography or 3 hrs**
- **ANG 5622 Language, Culture and Pedagogy or 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**

**Email:** anthropology@ucf.edu

**Dr. Arlen Chase**

**Phone:** 407-823-2227

This minor develops a student's understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

### Minor Admission Requirements
- None

### Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

### Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

### Required Courses (3 hrs)
- **Select from:**
  - **ANT 2000 General Anthropology or 3 hrs**
  - **ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts or 3 hrs**

### Restricted Electives (15 hrs)
- Select from the following. Substitutions require prior consent of the Anthropology Coordinator.
- **ANT 3164 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 3302 Sex, Gender and Culture or 3 hrs**
Minors

ANT 3312  Ethnology of North American Indians  3 hrs
ANT 3319  Slavery, Resistance, and Cultural Dynamics Among African People in the Americas  3 hrs
ANT 3398  Black/Seminole Relations  3 hrs
ANT 3541  Biobehavioral Anthropology  3 hrs
1 ANT 3610  Language and Culture  3 hrs
ANT 3701  Engagement & Social Change: Public Anthropology  3 hrs
ANT 4266  Economic Anthropology: Production, Consumption, and Exchange  3 hrs
1 ANT 4303  Anthropology of Tourism  3 hrs
1 ANT 4332  People and Cultures of Latin America  3 hrs
1 ANT 4340  Caribbean Cultures  3 hrs
ANT 4408  Culture, Disease, and Healing  3 hrs
1 ANT 4467  Nutritional Anthropology  3 hrs
ANT 4516  Human Biological Diversity  3 hrs
1 ANT 4702  Culture, Inequality and Global Development  3 hrs
SYD 3700  Race and Ethnicity  3 hrs

1 or its graduate equivalent, but not both.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Not open to Anthropology majors.

Art - Studio - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Arts Courses (18 hrs)
- ARH 2050  History of Western Art I  3 hrs
- ARH 2051  History of Western Art II  3 hrs
- ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
- ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
- ART 2300C  Drawing Fundamentals I  3 hrs
- ART 2301C  Drawing Fundamentals II  3 hrs
- ART 3950  Portfolio Review  0 hrs

Restricted Electives (6 hrs)
- Six semester hours of studio art in one area of specialization at the 3000-4000 level

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
(15 hrs)
Select 4:
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- ARH 4310 Italian Renaissance Art or 3 hrs
- ARH 4430 19th Century Art or 3 hrs
- ARH 4450 20th Century Art or 3 hrs

Non-Western/Ancient Course Requirement
- 3 hrs

Select 1:
- ARH 3670 20th Century Latin American Art or 3 hrs
- ARH 4130 Greek Art and Architecture or 3 hrs
- ARH 4150 Roman Art and Architecture or 3 hrs
- ARH 4540 Art of India or 3 hrs
- ARH 4653 Meso American Art or 3 hrs

Restricted Electives
(3 hrs)
Select 1:
- ARH 4200 Medieval Art or 3 hrs
- ARH 4350 Baroque Art or 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs
- ARH 4871 Women in Art or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- No credit by exam (TSD, Military credit) may be used.
- Co-op, Independent Study, Directed Research, or Internship credit cannot be used in the minor.

Astronomy - Minor
College of Sciences
Department of Physics, Physical Sciences, Room: 430
Email: physics@ucf.edu
Dr. Humberto Campins
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors with an Astronomy specialization.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.
Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

Required Courses (19 hrs)
- AST 2012 Astronomy 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- AST 4152 Planetary Geophysics 3 hrs
- AST 3211 Stellar Astrophysics 3 hrs
- AST 3402 Galaxies and Cosmology 3 hrs
- AST 4700 Experimental Methods in Astronomy 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu/minors/bioengineering

Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Health and Pre-Law Advising. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelors of science degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (35 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- EGN 4941 Internship 1 hr

Restricted Electives (6 hrs)
- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Engineering Track
6 hrs

Select 1: 3 hrs
- EMA 5584 Biomaterials or 3 hrs
- EML 5760 Biofluid Mechanics or 3 hrs
- EEE 5272 Biomedical Sensors or 3 hrs
- EES 4111C Biological Process Control or 3 hrs
- EIN 5248C Ergonomics 3 hrs

Select 1: 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 3744 Neurobiology or 3 hrs
- PCB 3063 Genetics 3 hrs

Computer Science Track
6 hrs

Select 1: 3 hrs
- CAP 5512 Evolutionary Computation or 3 hrs
- COT 6417 Algorithms on Strings and Sequences 3 hrs

Select 1: 3 hrs
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- MCB 3020C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 3744 Neurobiology or 3 hrs
- PCB 3063 Genetics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 41

Other Requirements
- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
Email: biology@ucf.edu
Phone: 407-823-2141

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Biology.
Minors

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
- or, depending on Chemistry Placement score 6 hrs
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 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

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 31

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Biomedical Sciences - Minor

College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
Email: bsbsadvising@ucf.edu
Dr. Griffith Parks, Director
Phone: 407-823-5932

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- Select 1: 3 hrs
  - PCB 3233 Immunology or 3 hrs
  - PCB 4260 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 below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the Department of Chemistry, with a minimum GPA of 2.0.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Chemistry - Minor

College of Sciences
Department of Chemistry, Physical Sciences, Room: 255
http://www.cos.ucf.edu/chemistry
Email: chemstaff@ucf.edu
Dr. Pedro Patino, pedro.patino@ucf.edu

Minor Admission Requirements
- The minor is not open to Chemistry majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 11 hours used in the minor must be earned at UCF within the Department of Chemistry, with a minimum GPA of 2.0.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or 6 hrs
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

Business - Minor

College of Business Administration
Office of Professional Development BA2, Room: 101
Phone: 407-823-2184

Not available to Business majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- MAR 3023 Marketing 3 hrs
- ECO 3411 Quantitative Business Tools II 3 hrs
- FIN 3403 Business Finance 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
## Coaching - Minor

### College of Education and Human Performance

#### Department of Educational and Human Sciences,

**Education Building, Room: 209**

Dr. David Fukuka, David.Fukuda@ucf.edu, 407-823-0442

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 seeking a career in the fields of Physical Education and sport. The Coaching Minor includes coursework leading to partial fulfillment of the Athletic Coaching Endorsement. Full eligibility for the endorsement may require additional criteria outlined by the Florida Department of Education. For further information regarding the Athletic Coaching Endorsement, visit [http://www fldoe org/edcert/](http://www.fldoe.org/edcert/). This Minor is available for students in the 2001 Catalog Year and beyond. The Coaching Minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Coaching Track majors.

### Minor Admission Requirements

- Have a minimum 2.5 overall GPA

### Minor Requirements

- None

### Prerequisite Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I (or equivalent)</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Required Courses

- **Human Injuries: Mechanisms & Prevention**
  - ATR 4132 Coaching Theory 3 hrs
- **Motivational Aspects of Athletic Performance**
  - PET 3765 Coaching Theory 3 hrs
  - PET 4215 Motivational Aspects of Athletic Performance 3 hrs

### Restricted Electives

- Select 1:
  - PEO 3624 Coaching Basketball or 3 hrs
  - PEO 3644 Coaching Football or 3 hrs
  - PEO 3324 Coaching Volleyball or 3 hrs
  - PEO 3514 Coaching Soccer 3 hrs

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 28

### Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

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Minors

PHI 4341 Ways of Knowing or 3 hrs
PHI 4400 Philosophy of Science or 3 hrs
PHI 4935 Topics in Philosophy of Mind 3 hrs

Psychology 3 hrs
EXP 3204C Perception or 4 hrs
EXP 3604C Cognitive Psychology or 4 hrs
EXP 4507C Advanced Human Memory and Cognition 3 hrs

UCF

Credit for a major and the cognitive sciences minor.

No more than 9 credit hours may be used both toward credit for a major and the cognitive sciences minor.

At least 12 hours used in the minor must be earned at UCF.

No credit by exam (TSD, Military credit) may be used.

At least 19 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Minors (with a Creative Writing focus). Students interested in the minor should contact the School director.

Prerequisite Courses

Required Courses (24 hrs)
SPA 3471 Communication Disorders in Literature and Media 3 hrs
SPA 3112 Basic Phonetics 3 hrs
SPA 3112L Basic Phonetics Lab 1 hr
SPA 3116 Language Development 3 hrs
SPA 3161 Language Development Lab 2 hrs
SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
SPA 4032 Audiology 3 hrs
SPA 4400 Language Disorders Across the Life Span 3 hrs
SPA 4476 Speech Disorders Across the Lifespan 3 hrs

A minimum grade of “C-” (1.75) is required in all courses used to satisfy the minor.

Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.

At least 19 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

Internship or Independent Study credit cannot be used toward the minor.

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses

None

Other Requirements

A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.

15 hours must be taken at the upper division.

No more than 9 credit hours may be used both toward credit for a major and the cognitive sciences minor.

At least 12 hours used in the minor must be earned at UCF.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study requires prior approval from the advisors to be used toward the minor.

Community Arts - PAVE - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Visual Arts Building, Room: 117
http://svad.cah.ucf.edu/
Phone: 407-832-2676

Minor Admission Requirements

None

Minor Requirements

Partners in Art in Visual Education (PAVE)

A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus). Students interested in the minor should contact the School director.

Prerequisite Courses

None

Required Courses

None

A minimum grade of “C” (1.75) is required in all courses used to satisfy the minor.

Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.

At least 19 hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

Internship or Independent Study credit cannot be used toward the minor.
understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

**Minor Admission Requirements**
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

**Minor Requirements**
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**
- SYP 3520 Criminology 3 hrs

**Required: Complete one of the following:**
- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

**Restricted Electives**
- Select from the following:
  - SYP 3510 Sociology of Deviant Behavior 3 hrs
  - SYP 3511 Sociology of Murder 3 hrs
  - SYP 3530 Juvenile Delinquency 3 hrs
  - SYP 3540 Sociology of Law 3 hrs
  - SYP 3562 Patterns of Domestic Violence in Society 3 hrs
  - SYP 4514 Patterns of Violence in Society 3 hrs
  - SYP 4521 Crime Victims in Society 3 hrs
  - SYP 4536 Gangs and Society 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

**Criminal Justice - Minor**

**College of Health and Public Affairs**

**Department of Criminal Justice,**

**Health and Public Affairs I, Room: 311**

**Email: cjadvise@ucf.edu**

Cory Watkins, 407-823-2603

**Minor Admission Requirements**
- None

**Minor Requirements**
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than “C-” (1.75) are not accepted.

**Prerequisite Courses**
- None

**Required Courses**
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs

**Required: Complete two of the following:**
- CCJ 3010 Prosecution and Adjudication or 3 hrs
- CJC 3010 Corrections and Penology or 3 hrs
- CJE 4014 Police and Society 3 hrs

**Restricted Electives**
- Select from the following:
  - SYG 2000 Introduction to Sociology or 3 hrs
  - SYG 2010 Social Problems 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.

**Computer Science - Minor**

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science,** Harris Corp. Engineering Center, Room: 406

**http://www.eecs.ucf.edu**

Dr. Mark Llewellyn, markl@cs.ucf.edu

Phone: 407-823-3327

**Minor Admission Requirements**
- Not open to Computer Engineering, Computer Science or Information Technology majors.

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- (18 hrs)
  - COP 3223C 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 3 hrs
  - CDA 3103C Computer Logic and Organization 3 hrs

Select 1:
- COJ 3100C Introduction to Discrete Structures or 3 hrs
- MAD 2104 Foundations of Discrete Math 3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

**Crime, Law, and Deviance - Minor**

**College of Sciences**

**Department of Sociology,**

**Howard Phillips Hall, Room: 403**

**http://sociology.ucf.edu**

Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an
### Minors

**Total Semester Hours Required**
- **18**

**Other Requirements**
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

#### Dance - Minor

**College of Arts and Humanities**  
**Department of Theatre,**  
**Performing Arts Center, Room: T210A**  

**Judi Siegfried, Judi.Siegfried@ucf.edu, 407-823-2862**

**Minor Admission Requirements**
- A successful audition - contact department for audition dates.

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(11 hrs)*
- **DAN 3134** Dance History I 3 hrs
- **DAA 3612** Dance Improvisation/Composition I 3 hrs
- **DAA 2100C** Modern Dance I 2 hrs
- **DAA 2200C** Ballet I 2 hrs
- **DAA 3684** Dance Performance 1 hr

**Restricted Electives** *(7 hrs)*
- **DAA 2570C** Jazz Dance I 2 hrs
- **DAA 2571C** Jazz Dance II 2 hrs
- **DAA 2520C** Tap Dance I 2 hrs
- **DAA 3524C** Tap Dance III 2 hrs
- **DAA 2201C** Ballet II 2 hrs
- **DAA 3208C** Ballet III 2 hrs
- **DAA 2101C** Modern Dance II 2 hrs
- **DAA 2303C** World Dance 2 hrs
- **DAA 3645** Choreography Practicum 2 hrs
- **DAA 3684** Dance Performance 1 hr
- **TPA 2290L** Theatre Participation-Production I 1 hr
- **TPP 2100L** Theatre Participation-Performance I 1 hr
- **THE 2090L** Theatre Participation-Management I 1 hr
- **DAA 3004L** Dance Studio 1 hr
- **DAA 3508C** Jazz Dance III 2 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- **18**

**Other Requirements**
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

#### Digital Humanities - Minor

**College of Arts and Humanities**  
**Department of English, Colbourn Hall, Room: 405**  
[http://english.ucf.edu](http://english.ucf.edu)

**Email: english@ucf.edu**  
Dr. Mark Kamrath  
Phone: 407-823-5596

**Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(6 hrs)*
- **HUM 3830** Introduction to Digital Humanities 3 hrs
- **DIG 3171** Tools for Digital Humanities 3 hrs

**Restricted Electives** *(12 hrs)*
- Select two from the following:
  - **CRW 3713** Writing for Video Games 3 hrs
  - **DIG 4704** Interactive Entertainment 3 hrs
  - **DIG 4855** Converging Media Capstone 3 hrs
  - **ENC 4416** Writing in Digital Environments 3 hrs
  - **ENG 3817** Digital Archives 3 hrs
  - **ENC 4414** Writing and Hypertext 3 hrs
  - **ENG 3817** Digital Archives 3 hrs
  - **DIG 4920** Usability Testing for Technical Communication 3 hrs
  - **AMH 4644** Viewing American History in the Twentieth Century 3 hrs
  - **DIG 3024** Digital Cultures & Narrative 3 hrs
  - **ENC 3417** Literacy and Technology 3 hrs
  - **HIS 4150** History and Historians 3 hrs
  - **PHI 3323** Minds and Machines: Philosophy of Cognitive Science 3 hrs
  - **PHI 3625** Virtual Ethics 3 hrs
  - **PHI 3626** Advanced Ethics in Science and Technology 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- **18**

**Other Requirements**
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

#### Digital Media - Minor

**College of Arts and Humanities**  
**School of Visual Arts and Design**  

**Email: svadadvising@ucf.edu**  
Phone: 407-823-2676

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(12 hrs)*
- **DIG 2000** Introduction to Digital Media 3 hrs
- **DIG 2030C** Digital Video Fundamentals 3 hrs
Minors

Diplomacy - Minor

College of Sciences

College of Arts and Humanities

Department of Political Science,
Phillips Hall, Room: 302
http://politics.cwu.edu

Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/

Dr. R. Handberg, 407-823-2608
Dr. J. Sacher, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this minor will gain experience in diplomatic history, concepts, theories, methods, protocol and practice.

Admission Requirements

■ None

Other Requirements

■ A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.

■ At least 12 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.

■ No credit by exam (TSD, Military credit) may be used.

■ Internship, cooperative education, or independent Study credit can be used in the minor only with prior written permission from a school advisor.

Required Courses (6 hrs)

- INR 4072 Foreign Policy Analysis 3 hrs
- INR 4074 International Organizations 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4079 U.S. Foreign Policy 3 hrs
- INR 4080 Global Politics 3 hrs

Restricted Electives (6 hrs)

- Select from the following:
  - AMH 4512 US Diplomatic History: 1914-1945 3 hrs
  - EUH 3242 Modern Europe and the First World War 3 hrs
  - EUH 3281 Second World War and Rebirth of Europe 3 hrs
  - EUH 4574 History of Russia: 1801-1917 3 hrs
  - EUH 4576 History of Russia in the 20th Century 3 hrs
  - EUH 4620 European Great Powers: 1815-1914 3 hrs
  - EUH 4663 History of Communism in Europe 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs

Foreign Language Requirements

■ None

Total Semester Hours Required

18

Diversity and Social Inequality - Minor

College of Sciences

Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu

Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilities the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

Minor Admission Requirements

 ■ The minor is not open to Sociology majors.
 ■ Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements

■ Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.

■ Grades below “C” (2.0) in lower level courses are not accepted.

■ At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses

■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)

- SYO 3530 Social Power and Inequality 3 hrs

Required: Complete one of the following: 3 hrs

- SYG 2000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Foreign Language Requirements

■ None

Total Semester Hours Required

18

Other Requirements

■ None
### Minors

**Early Childhood Development and Education - Minor**

**College of Education and Human Performance**

**School of Teaching, Learning, and Leadership,**

**Education Building, Room: 209**

http://education.ucf.edu/ece/

**Email:** ece@ucf.edu

Dr. Judy Levin, ED 122L, Judith.Levin@ucf.edu

Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education and development or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

**Minor Admission Requirements**

- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.

**Minor Requirements**

- Must maintain a minimum overall MINOR GPA of 2.75.
- At least 12 hours used in the minor must be earned at UCF.
- Once the Early Childhood Development and Education Minor has been declared and approved, Early Childhood Development and Education Minor students must schedule an appointment with their program advisor listed on their ECDE Minor DARS Audit.

**Note:** Completion of the Early Childhood Development and Education Minor does not complete the requirements for certification in Early Childhood Development.

**Prerequisite Courses**

- None

**Required Courses**

- 3 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- 6 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4402</td>
<td>Cultural and Family Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4414</td>
<td>Parent-Child Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4744</td>
<td>Child Life: Psychosocial Care of Children in Health Settings</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

### Economics - Minor

**College of Business Administration**

**Department of Economics,**

**Business Administration II, Room: 305**

http://www.bus.ucf.edu/economics

Dr. David Scrogin, BA2 302N, david.scrogin@ucf.edu, 407-823-4129

Dr. Michael Caputo, BA2 302Q, 407-823-1405

Dr. Nora Underwood, BA2 302N, 407-823-1403

Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

The Economics Minor is designed to complement a broad range of business and non-business majors. The Minor requires a core of courses in economic theory and applications along with a selection of electives that can be tailored to the student’s personal interests. This Minor is highly recommended for students considering graduate school in business, economics, law or public administration. Not open to students in the Economics (BS) or Economics (BSBA). Not open to students in the Mathematical Economics concentration of the Mathematics (BS) major.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- 9 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics or intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Microeconomics or intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- 3 hours

- ECO 3101
- ECO 3203

**Restricted Electives**

**Upper Division Restricted Electives**

- 9 hours

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 3101</td>
<td>Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3203</td>
<td>Intermediate Microeconomics</td>
<td>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 Florida College System institutions do not substitute for upper division courses.

Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

At least nine hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Education - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership,

Education Building, Room: 220B

http://education.ucf.edu/edminor

Dr. W. Scott Wise, ED 220B, wwise@ucf.edu

Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education and Human Performance a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements

- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements

None

Prerequisite Courses

None

Required Courses

(15 hrs)

EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDF 4477 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL in Schools 3 hrs

Restricted Electives

(3 hrs)

Select one

MAE 4634 Programs in Teaching of Mathematics 3 hrs
SSE 4936 Programs in Teaching Social Science 3 hrs
LAE 4342 Programs in Teaching Language and Composition 3 hrs
LAE 4464 Survey of Adolescent Literature 3 hrs
SCE 4361 Programs in Teaching Science 3 hrs
PET 4710 Methods for Physical Activity for Children and Adolescents 3 hrs

Foreign Language Requirements

None

Emergency Management and Homeland Security - Minor

College of Health and Public Affairs

School of Public Administration,

Health and Public Affairs II, Room: 238

http://www.cohpa.ucf.edu/publicadmin

Dr. Claire Knox, claire.knox@ucf.edu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements

None

Minor Requirements

None

Prerequisite Courses

None

Required Courses

(15 hrs)

PAD 4822 Intergovernmental Administration 3 hrs
PAD 4392 Emergency Management and Homeland Security 3 hrs
PAD 4712 Information Systems for Public Managers and Planners 3 hrs
PAD 4395 Disaster Response and Recovery 3 hrs
PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives

(3 hrs)

Select 1:

DSC 4012 Terrorism or 3 hrs
DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 12 hours used in the minor must be earned at UCF.

NOTE:

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education and Human Performance.

Students may enroll in the Education Minor or a Minor in a Content Area, but not both.
Minors

- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

Engineering Leadership - Minor

College of Engineering and Computer Science
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering and computer science professions.

Minor Admission Requirements
- Students must have a declared Computer Science or engineering major. Not open to students in engineering pending majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- Computer Science
  - LDR 2001 Foundations of Leadership 2 hrs
  - LDR 2002 Intermediate Foundations of Leadership 2 hrs
  - MAN 3025 Management of Organizations 3 hrs
  - PHI 3638 Ethical Issues in the 21st Century 3 hrs
  - EGS 3030 Leadership in Engineering I 0 hrs
  - EGS 3031 Leadership in Engineering II 0 hrs
  - EGS 4950 Leadership Engineering Capstone 3 hrs

Pick one of the following 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- ENT 4183 Technological Entrepreneurship 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 Writing Workshop 3 hrs
- CRW 4320 Advanced Poetry Writing Workshop 3 hrs
- CRW 4616 Advanced Scriptwriting Workshop 3 hrs

Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

Restricted Upper Division Electives--select two courses 6 hrs
- CRW 3311 Readings in Poetry for Creative Writing 3 hrs
- CRW 3540 Literary Magazines 3 hrs
- CRW 4114 History of Prose Style 3 hrs
- CRW 4724 The Florida Review 3 hrs
- CRW 4804 The Writing Life 3 hrs
- ENC 3310 Magazine Writing I 3 hrs
- CRW 4722 Editing for Creative Writers 3 hrs
- CRW 8806C Teaching Creative Writing 3 hrs
- Any other CRW elective or Special Topics course 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Linguistics - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
Phone: 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- LIN 3010 Principles of Linguistics 3 hrs
- LIN 4105 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

Restricted Electives (9 hrs)
- LIN 4643 Cross Cultural Communication 3 hrs
- LIN 4660 Linguistics and Literature 3 hrs
- LIN 4801 Language and Meaning 3 hrs
- LIN 5137 Linguistics 3 hrs
- ANT 3610 Language and Culture 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4221 Philosophy of Language 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- Or any course approved by the Linguistics Committee 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Literature - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu/
Email: english@ucf.edu
407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
1 ENG 3014 Theories and Techniques of Literature Study 3 hrs

Restricted Electives
- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/englished/
Dr. Elsie Olan, ED 223N, Elsie.Olan@ucf.edu
Phone: 407-823-5179

The English Language Arts Education minor is intended for non-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 a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- A C- or better is required in these courses
  EDG 4410 Teaching Strategies and Classroom Management 3 hrs
  EDF 4467 Learning Theory and Assessment 3 hrs
  TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
  RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
  LAE 4360 English Instructional Analysis 3 hrs

Select 1: 3 hrs
  LAE 4342 Programs in Teaching Language and Composition or 3 hrs
  LAE 4464 Survey of Adolescent Literature or 3 hrs
  LAE 4361 Literacy Strategies in a Digital Age for Middle and High School 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF
Minors

Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration I, Room: 309
http://www.cel.ucf.edu
Dr. Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

Open to Business and Non-Business Students

The entrepreneurship minor provides students from all academic disciplines with entrepreneurial skills needed to create successful startup ventures, innovative corporate initiatives, and impactful non-profit organizations. This minor serves as a great complement to majors in all disciplines by preparing students to recognize opportunities, organize resources, and produce results. These capabilities promote leadership potential and professional success in any career, and are sought after by small and large organizations that need employees capable of creating and managing innovative new initiatives.

Minor Admission Requirements
- None
- Minor 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>ENT 3613</td>
<td>Creativity and Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4014</td>
<td>New Venture Implementation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENT 4013</td>
<td>New Venture Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3765</td>
<td>Entrepreneurial Marketing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (3 hrs)

- Any 3000 or 4000 MAN course not in CBA core or the following courses:
  - BUL 4540 Employment Law 3 hrs
  - EGN 4641C Engineering Entrepreneurship 3 hrs
  - ENT 4183 Technological Entrepreneurship 3 hrs
  - GEB 4435 Moral Foundations of 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 Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Environmental Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements
- None
- Minor Requirements
- None

Prerequisite Courses
- 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3150</td>
<td>Foundations of Environmental Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (18 hrs)

- Take 9 hours from each section.

Science Electives (9 hrs)

<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>BOT 3152C</td>
<td>Local Flora</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 4303C</td>
<td>Plant Kingdom</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BOT 4713C</td>
<td>Plant Taxonomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BSC 4312C</td>
<td>Advanced Marine Biology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 3120</td>
<td>Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 3043C</td>
<td>GIS for Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 4301C</td>
<td>Advanced GIS Applications in Environmental Studies</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Environmental Studies

- OCE 3008 Oceanography 3 hrs
- PCB 3803 Genetics 3 hrs
- PCB 3442 Aquatic Ecology 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- PCB 4723 Animal Physiology 4 hrs
- PCB 5045 Conservation Biology 4 hrs
- PCB 5326C Ecosystems of Florida 5 hrs

- 1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.

Values, Planning, and Policy Electives (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BOT 3802</td>
<td>Ethnobotany</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECP 4303</td>
<td>Environmental and Natural Resource Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 4360</td>
<td>Nature Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 3043C</td>
<td>GIS for Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 4301C</td>
<td>Advanced GIS Applications in Environmental Studies</td>
<td>4 hrs</td>
</tr>
<tr>
<td>INR 4351</td>
<td>International Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3350</td>
<td>Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351</td>
<td>Issues in Environmental Program</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Management
- PHI 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 3640 Environmental Ethics 3 hrs
- PHI 4633 Ethics and Biological Science 3 hrs
- PHM 4031 Environmental Philosophy 3 hrs
- PLA 4554 Environmental Law 3 hrs
- PUP 3203 Environmental Politics 3 hrs
- PUP 3204 Sustainability 3 hrs
- PUP 4209 Urban Environmental Policy 3 hrs

- 1 GIS 3043 and GIS 4301 can be used in either the Science or the Values, Planning, and Policy area but cannot be used in both.
Foreign Language Requirements
- None

Total Semester Hours Required
- 21

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 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

Email: politics@mail.ucf.edu

Dr. Kerstin Hamann
Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the Director of European Studies.

Minor Admission Requirements
- None

Minor Requirements
- A grade of “C” (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

- 6 hrs
  CPO 4101  Politics of the European Union  3 hrs
  LIT 3082  Continental European Fiction Since 1900  3 hrs

Restricted Electives

- 15 hrs
  Course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:
Select from the following courses:
- 3 hrs
  Note: Courses offered by the Modern Languages Department may be offered in a language other than English.
  - ENL 2022  English Literature II or  3 hrs
  - ENL 4101  English Novel or  3 hrs
  - ENL 4240  English Romantic Writers or  3 hrs
  - ENL 4262  Nineteenth Century British Prose or  3 hrs
  - ENL 4273  Modern British Literature or  3 hrs
  - FIL 3820  Italian Film or  3 hrs
  - FIL 3822  French Film or  3 hrs
  - FIL 3823  German Film or  3 hrs

- FIL 3824  Italian Neo-Realist Cinema or  3 hrs
- FRE 4500  French Civilization and Culture or  3 hrs
- FRT 3562  French Contemporary Pop Culture or  3 hrs
- FRW 3370  Short Stories of 18th, 19th and 20th Centuries or  3 hrs
- FRW 4281  20th Century French Novels or  3 hrs
- FRW 4324  20th Century French Drama or  3 hrs
- FRW 4532  French Romanticism or  3 hrs
- FRW 4552  Nineteenth Century French Literature or  3 hrs
- GER 3102  Germany - Past or Present or  3 hrs
- GER 4520  Modern Germany or  3 hrs
- GEW 3101  Survey of German Literature II or  3 hrs
- GEW 3370  Short Story or  3 hrs
- GEW 3480  German Post-War Literature or  3 hrs
- GEW 4482  German Children’s Literature or  3 hrs
- GEW 4531  The Age of Goethe and Schiller or  3 hrs
- ITT 4956  Study Abroad: Modern and Contemporary Italian Culture or  3 hrs
- ITW 3101  Survey of Italian Literary Culture or  3 hrs
- JST 3751  Literature of the Holocaust or  3 hrs
- LIT 4184  Irish Literature or  3 hrs
- SPW 3101  Survey of Spanish Literature II or  3 hrs
- SPW 3370  Spanish Short Story or  3 hrs
- SPW 4272  20th Century Spanish Novel or  3 hrs
- SPW 4322  Contemporary Iberian Theatre or  3 hrs
- SPW 4450  Spanish Literary Theory or  3 hrs
- SPW 4460  Nineteenth Century Spanish Literature or  3 hrs
- SPW 4720  The Generation of 1898 or  3 hrs

History:
Select from the following courses:
- 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 3411  Ancient Rome or  3 hrs
  - EUH 3431  History of Modern Italy or  3 hrs
  - EUH 3451  History of Modern France or  3 hrs
  - EUH 4284  Fascism and Nazism in the Interwar Europe or  3 hrs
  - EUH 4400  The History of Ancient Greece or  3 hrs
  - EUH 4465  Hitler’s Third Reich or  3 hrs
  - EUH 4501  English History: 1485-1815 or  3 hrs
  - EUH 4502  British History: 1815-Present or  3 hrs
  - EUH 4574  History of Russia: 1801-1917 or  3 hrs
  - EUH 4576  History of Russia in the 20th Century or  3 hrs
  - EUH 4582  20th Century Russian Diplomatic History or  3 hrs
  - EUH 4610  Women in European Society: From Medieval to Modern or  3 hrs
  - EUH 4620  European Great Powers: 1815-1914 or  3 hrs
  - EUH 4663  History of Communism in Europe or  3 hrs
  - GER 4510  Life and Culture in Nazi Germany or  3 hrs
  - JST 3701  History of the Holocaust or  3 hrs

Political Science or Economics:
Select from the following courses:
- 3 hrs
  - CPO 3104  Politics of Western Europe or  3 hrs
  - CPO 3614  Politics of Eastern Europe or  3 hrs
  - CPO 4074  Political Economy or  3 hrs
  - CPO 4123  Government and Politics of Great Britain or  3 hrs
  - CPO 4445  Comparative Political Parties or  3 hrs
  - CPO 4643  Government and Politics of Russia or  3 hrs
  - CPO 4754  Comparative Political Institutions or  3 hrs
  - ECO 3703  International Microeconomics or  3 hrs
  - ECO 4303  History of Economic Thought or  3 hrs
  - INR 4035  International Political Economy or  3 hrs

Other areas:
- may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:

Select from the following courses:
- 3 hrs
  - ARH 4430  19th Century Art or  3 hrs
  - ARH 4450  20th Century Art or  3 hrs
  - PHH 3041  Russian Philosophy or  3 hrs
  - PHH 3510  Marx and Nietzsche or  3 hrs
  - PHP 3783  Modernity as a Philosophical Problem or  3 hrs
  - PHP 3786  Existentialism or  3 hrs
  - PHP 4782  Phenomenology or  3 hrs
Minors

Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, Russian, or Spanish (other languages require approval of director).

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

Event Management - Minor
Rosen College of Hospitality Management
Department of Tourism Event and Attractions
9907 Universal Blvd. Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: Hospitality@ucf.edu
Phone: (407) 903-8000

This minor is well suited and intended for students who have interest in the field of the performing arts (Music, Arts, and Theater). The Event Management minor is geared to expose and increase students’ knowledge base of the growing hospitality and event industries. This program teaches students how to strategically promote various types of events and how to identify potential risk while planning and executing an event(s). Students will be able to individualize their minor by the option to choose two restricted event management electives focused toward their career interest.

Admission Requirements
- Not open to majors of the Rosen College of Hospitality Management.

Minor Requirements
- None

Prerequisite Courses
- Students who have not completed the prerequisites should contact the instructor for consent to enroll.

Required Courses (12 hrs)
- HFT 2750 The Event Industry 3 hrs
- HFT 3443 Event Technology 3 hrs
- HFT 3512 Event Promotion 3 hrs
- HFT 3670 Hospitality and Event Risk Management 3 hrs

Restricted Electives (6 hrs)
- Select 2:
  - HFT 3519 Event Services or 3 hrs
  - HFT 3523 Event Sales or 3 hrs
  - HFT 3741 Meeting Management or 3 hrs
  - HFT 3798 Fairs and Festivals or 3 hrs
  - HFT 4795 Entertainment Arts and Events or 3 hrs
  - HFT 4796 International Events 3 hrs

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses
- None

Required Courses (12 hrs)
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- EEX 3221 Assessment of Exceptional Students 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Restricted Electives (6 hrs)
- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives

Early Childhood Restricted Electives
- EEX 3450 Young Children With Special Needs 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Elementary Restricted Electives
- EEX 4070 Teaching Exceptional Students 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
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the Rosen College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- Final Exams will be given during Final Exam week only.
- No substitutions are allowed for any of the required minor courses.

Exceptional Student Education - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: 315P
http://education.ucf.edu/academics_minors.cfm
Dr. Maria Reyes, Program Coordinator, maria.reyes@ucf.edu

The Exceptional Student Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor does not lead to teacher certification or admission to the College of Education and Human Performance. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students must earn a “C” (2.0) in all minor courses.
- Students must choose an elementary, early childhood or secondary focus.

Prerequisite Courses
- None

Required Courses (12 hrs)
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- EEX 3221 Assessment of Exceptional Students 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Restricted Electives (6 hrs)
- Choose Early Childhood Restricted Electives OR Elementary Restricted Electives OR Secondary Restricted Electives

Early Childhood Restricted Electives
- EEX 3450 Young Children With Special Needs 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

Elementary Restricted Electives
- EEX 4070 Teaching Exceptional Students 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
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.5 in all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105C or higher, are required.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Student Education nor does it constitute admission in the College of Education and Human Performance.
Minors

Film - Cinema Studies - Minor
College of Arts and Humanities
School of Visual Arts and Design,
Nicholson School of Communication, Room: 211
http://svad.cah.ucf.edu/
Email: svadadvising@ucf.edu
Phone: 407-823-2676

Minor Admission Requirements
- Completion of a Minor Declaration form

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- FIL 3880C Images of Women in Film 3 hrs
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3020 Italian Film 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 4647 Film Production Management 3 hrs
- FIL 3845 Latin American Cinema 3 hrs
- FIL 3363C Film Documentary 3 hrs

Restricted Electives
- Choose Two
- Select 3: 9 hrs
- FIL 4604 International Financial Management 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 3461 Financial Statement Analysis 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4453 Financial Models 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4604 International Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Finance - Minor
College of Business Administration
Department of Finance, Business Administration I,
Room: 409
Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403 Business Finance 3 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3461 Financial Statement Analysis 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- FIN 4453 Financial Models 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

Required Courses
- Select 3: 9 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3461 Financial Statement Analysis 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- FIN 4453 Financial Models 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 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 Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Fitness Training - Minor
College of Education and Human Performance
Department of Educational and Human Sciences,
Education Building, Room: 209
Dr. David Fukuda, David.Fukuda@ucf.edu, 407-823-0442

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to seek industry certification in the Sport and Fitness Profession. This Minor is available for students in the 2001 catalog year and beyond. The Fitness Training minor is not available to Sport and Exercise Science Pending and Sport and Exercise Science - Human Performance Track majors.

Minor Admission Requirements
- Have a minimum GPA of 2.5 overall GPA

Minor Requirements
- No grades below “C” (2.0) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- An overall GPA of 2.5 is required to satisfy the minor.

Prerequisite Courses
- BSC 2010C Biology I (or equivalent) 4 hrs
- ZOO 3736C Exercise Physiology Anatomy (or equivalent) 4 hrs

Required Courses
- Select 3: 9 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- FIN 3434 Business Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- FIN 4453 Financial Models 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

Restricted Electives
- (9 hrs)
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Exercise Science - Human Performance Track majors.

Required Courses
- Select 3: 9 hrs
- FIN 3434 Business Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- FIN 4453 Financial Models 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 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 Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Finance - Minor
College of Business Administration
Department of Finance, Business Administration I,
Room: 409
Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403 Business Finance 3 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3461 Financial Statement Analysis 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- FIN 4324 Commercial Bank Management 3 hrs
- FIN 4453 Financial Models 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

Restricted Electives
- (9 hrs)
- FIN 4514 Portfolio Analysis and Management 3 hrs
- FIN 4533 Financial Derivatives 3 hrs
- FIN 4604 International Financial Management 3 hrs

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at Florida College System institutions do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.
Minors

Restricted Electives (6 hrs)

Select 2:
- PET 3771 Strength and Conditioning Concepts or 3 hrs
- PET 3768 Group Exercise Instruction or 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance or 3 hrs
- PET 3125 Fitness and Weight Management or 3 hrs
- PET 4552 Exercise Prescription for Special Populations 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Florida Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.ucf.edu
Email: english@ucf.edu
Daniel Murphree, Daniel.Murphree@ucf.edu
Phone: 407-823-5596

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor or for obtaining course instructor permission if prerequisites are not met.

Required Courses
- None

Restricted Electives (18 hrs)
- Courses used in the minor must be taken in at least three departments. Select from the following list:
  - AMH 3422 Frontier Florida 3 hrs
  - AMH 3425 Sunbelt Florida 3 hrs
  - AMH 4376 U.S. Space History 3 hrs
  - AML 4261 Literature of the South 3 hrs
  - AML 4265 Florida Writers 3 hrs
  - ANT 3158 Florida Archaeology 3 hrs
  - ANT 3383 American Indian Literature and Culture in Florida 3 hrs
  - ANT 3398 Black/Seminole Relations 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs
  - LAH 4136 Colonial Florida 3 hrs
  - POS 3173 Southern Politics 3 hrs
  - POS 3182 Florida Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 521
http://mll.cah.ucf.edu/
Dr. Charlotte Trinquet, ctrinque@ucf.edu

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRE 3420 French Composition 3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

Restricted Electives (12 hrs)
- Select four upper division French language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Global Peace and Security Studies - Minor
College of Sciences
Department of Political Science, Phillips Hall, Room: 302
http://politics.cos.ucf.edu
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu
Dr. P. Vasquez, 407-823-2608
Dr. J. Sacher, 407-823-2225

In the face of some of the most complicated international peace and security challenges and opportunities that the global community has ever encountered, the ability to understand the factors that contribute to conflict and conflict resolution is vitally important. Students who complete this minor will gain experience in the history of war and society, U.S. and international security policy, and causes of war.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students majoring in history or political science can take no more than 3 hours of electives in their major department.
- Students must satisfy each course’s prerequisite before enrolling in the class.

Required Courses (6 hrs)
- EUH 3651 War and Society 3 hrs
- INR 4060 Causes of War 3 hrs

Restricted Electives (12 hrs)
- AMH 3547 U.S. Military History Since 1900 3 hrs
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
ASH 3223  The Modern Middle East  3 hrs
ASH 4243  History of Iraq  3 hrs
ASH 4404  Modern China  3 hrs
DSC 4012  Terrorism  3 hrs
CPO 3057  Contemporary Revolution and Political Violence  3 hrs
CPO 3403  Politics of the Middle East  3 hrs
CPO 4784  Political and Economic Inequality in Comparative Perspective  3 hrs
EUH 3242  Modern Europe and the First World War  3 hrs
EUH 3261  Second World War and Rebirth of Europe  3 hrs
EUH 4284  Fascism and Nazism in the Interwar Europe  3 hrs
EUH 4663  History of Communism in Europe  3 hrs
INR 3253  International Politics of Africa  3 hrs
INR 4008  Global Perspectives  3 hrs
INR 4011  Politics of Globalization  3 hrs
INR 4030  Diplomacy  3 hrs
INR 4063  The Cold War  3 hrs
INR 4080  Causes of War  3 hrs
INR 4075  Human Rights Policy  3 hrs
INR 4084  Politics of International Terrorism  3 hrs
INR 4102  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 4364  The Intelligence Community  3 hrs
INR 4744  Militaries in World Politics  3 hrs
INR 4764  Cyberwarfare Policy  3 hrs
INR 4774  Military Space Policy  3 hrs
LAH 3200  Modern Latin America  3 hrs
PLA 4583  Cyber Law I  3 hrs
POT 4632  Religion and Politics  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, and substitute courses/new courses are allowed at the director's discretion limited to a maximum of 3 credit hours.

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
Dr. Alice Noblin, alice.noblin@ucf.edu, 407-823-2353

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006  Foundations of Health Information Management (HIM)  3 hrs
- HIM 4508C  Quality Management  3 hrs
- HIM 4656C  Health Information Management Systems  3 hrs
- HSC 3537  Medical Terminology  3 hrs
- HIM 4226C  Coding Procedures I  5 hrs
- HIM 4296C  Coding Procedures II  3 hrs

Restricted Electives
- None

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.

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions, Health and Public Affairs I, Room: 267
L. Timothy Worrell, 407-823-5236

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- HUN 2201  Fundamentals of Human Nutrition  3 hrs
- HSC 3110  Medical Self Assessment  3 hrs
- HSC 3211  Preventive Health Care  3 hrs
- HSC 3211  Preventive Health Care  3 hrs

Restricted Electives (9 hrs)
- HSC 3147  Introduction to Pharmacology  3 hrs
- HSC 4555  Pathophysiology I  3 hrs
- HSC 4558  Pathophysiology II  3 hrs
- HSC 4561  Epidemiology of Chronic Diseases  3 hrs
- HSC 4562  Health Law and Ethics  3 hrs
- HSC 4564  Health Care Needs of the Elderly  3 hrs
- ATR 3203C  Upper Extremity Function and Measurement  3 hrs
- ATR 3204C  Lower Extremity Function and Measurement  3 hrs
- ATR 3312C  Injury, Management, and Rehabilitation  3 hrs
- PET 4606  Applied Fitness in Sport  3 hrs
- HSC 3537  Medical Terminology  3 hrs
- HSC 3593  HIV Disease: A Human Concern  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Majors may not count courses presently required in a department program.
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.
Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Email: hsainfo@ucf.edu
Philip Wessel, Undergraduate Program Director, hsainfo@ucf.edu
Phone: 407-823-2359

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- HSA 4180 Organization & Management for Health Agencies I 3 hrs
- HSA 4191 Fundamentals of Health Information Technology 3 hrs
- HSC 4500 Epidemiology 3 hrs

Restricted Electives (3 hrs)
- Additional prerequisite courses may be required

Select 1: 3 hrs
- HSC 4652 Health Law and Ethics or
- HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or
- HIM 4508C Quality Management or
- HSA 4702 Health Sciences Research Methods 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Hospitality Management - Minor
Rosen College of Hospitality Management
Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
Email: hospitality@mail.ucf.edu
Dr. Kevin S. Murphy, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Not available to majors within the Rosen College of Hospitality Management.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- Take all of the following: 6 hrs
  - HFT 1000 Introduction to the Hospitality and Tourism Industry and
  - HFT 3540 Guest Services Management I 3 hrs
- Select 2: 6 hrs
  - HFT 2401 Hospitality Industry Financial Accounting or
  - HFT 3431 Hospitality Industry Managerial Accounting or
  - HFT 2500 Hospitality and Tourism Marketing or
  - HFT 2220 Hospitality Human Resources Management or
  - HFT 3444 Hospitality Information Systems or
  - HFT 3603 Legal Environment in the Hospitality and Tourism Industry or
  - HFT 4464 Hospitality Industry Finance or
  - HFT 4286 Hospitality Communications 3 hrs
- Select 2: 6 hrs
  - HFT 3700 Tourism Management or
  - HFT 3263 Restaurant Management or
  - HFT 3273 Principles of Resort Timesharing or
  - HFT 4755 Theme Park and Attraction Management or
  - HFT 2750 The Event Industry or
  - FSS 2221C Techniques of Food Preparation or
  - HFT 2254 Lodging Operations or
  - HFT 4277 Yacht, Country, and City Club Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

History - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/
Phone: 407-823-2225

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- 18 hours of AFH, AMH, ASH, EUH, HIS, LAH and/or WOH courses offered by the History department. A minimum of 12 hours must be taken at the upper level.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (1.75) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.
Human Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Human Communication, Journalism, or Radio-TV majors.

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
- SPC 3110 Business and Professional Communication 3 hrs
- COM 3120 Interpersonal Communication 3 hrs
- COM 3110 Organizational Communication 3 hrs
- COM 3011C Communication and Human Relations 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum average GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward this minor with prior approval.

Human Services - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences, Education Complex, Room: 322
Website: http://education.ucf.edu/counselored/
Dr. Mark Young, mark.young@ucf.edu, 407-823-6401

The Human Services minor is intended to provide students with an introduction to the human services profession and develop skills and knowledge associated with this field. The courses required for this minor help students acquire basic competencies such as communication, counseling and helping skills, knowledge of human services theory and awareness of the impact of race, gender, ethnicity, family, spirituality, government, education and social systems on the delivery of human services. Students in the 2015 catalog year and beyond may declare this minor.

Admission Requirements
- Have a minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida College System or State University System institution.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- At least 12 hours in the minor must be earned at UCF.
- Students must earn a grade of "C" or better in all courses required for the minor.
- Must maintain a minimum overall MINOR GPA of 2.5.

Prerequisite Courses
- None

Required Courses (15 hrs)
- MHS 2090 Introduction to Human Services 3 hrs
- MHS 2330 Career Planning 3 hrs
- MHS 2441 Couples, Families and Intimate Relationships 3 hrs
- MHS 3052 Helping Skills for Human Service Providers 3 hrs
- MHS 3426 Diversity Issues in Human Services 3 hrs

Restricted Electives (3 hrs)
- Three semester hours of a restricted elective with PSY, SOW, DEP, EEC or EEX prefix (selected with advisor’s approval).

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (CLEP, Military Credit) may be used.
- Transfer credits from other colleges/universities may be considered.

Humanities and Cultural Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Claudia Schippert, Claudia.Schippert@ucf.edu, 407-823-2273

The Humanities and Cultural Studies minor is a rigorous study of the artistic and intellectual practices and products of human culture in the contemporary world and in the past, across world cultures.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None
Minors

Required Courses (18 hrs)
HUM 2020  Encountering the Humanities 3 hrs

Humanities Foundations 6 hrs
Select 2: 6 hrs
HUM 3431  Ancient Humanities or 3 hrs
HUM 3435  Medieval Humanities or 3 hrs
HUM 3255  Modern Humanities or 3 hrs
HUM 3252  Contemporary Humanities 3 hrs

Theories and Methods 3 hrs
Select 1: 3 hrs
HUM 3805  Critical Theory in the Humanities or 3 hrs
HUM 3830  Introduction to Digital Humanities or 3 hrs
HUM 3326  Theories of Sex and Gender in Humanities or 3 hrs
HUM 4330  Performance Theory or 3 hrs
HUM 4823  Queer Theory in the Humanities or 3 hrs
HUM 4826  Postcolonial Theory 3 hrs

Cultural Traditions 3 hrs
Select 1: 3 hrs
HUM 3401  Asian Humanities or 3 hrs
HUM 3423  African Humanities or 3 hrs
HUM 3460  Latin American Humanities or 3 hrs
HUM 4459  American Cultural Studies in Humanities 3 hrs

Topics in Cultural Studies 3 hrs
Select 1: 3 hrs
HUM 4931  Key Figures in the Humanities & Cultural Studies or 3 hrs
HUM 4934  Key Concepts in Humanities & Cultural Studies 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of “C” (2.0) or better for all classes is required in courses counting towards the minor.
■ At least 9 hours used in the minor must be earned within the Computer Science or Information Technology program at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, cooperative education, or Independent Study credit cannot be used toward the minor.
■ The courses used to satisfy the college electives for this minor cannot also be used to satisfy the requirements for a Computer Science Minor.

Intelligence and National Security - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
Email: politics@mail.ucf.edu
Dr. Mark Schafer, 407-823-3328

This minor introduces students to the fundamentals of intelligence and national security, and it allows for students to specialize in one or more different areas that are appropriate for a career in these fields. This minor will be helpful for students majoring in any field who are interested in careers in intelligence and national security, and particularly for students in Political Science, International and Global Studies, and Criminal Justice.

The minor in Intelligence and National Security consists of 18 credit hours at the undergraduate level, including two required core courses and four electives.

Admission Requirements
■ None

Minor Requirements
■ A grade of “C” (2.0) or better for all classes is required in courses counting towards the minor.
■ At least 15 hours used in the minor must be taken at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).
■ No more than 3 credit hours may overlap with any other major or minor.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
INR 2002  International Relations-Theory and Practice 3 hrs
INR 4364  The Intelligence Community 3 hrs

Restricted Electives (12 hrs)
Select four courses from the following list:
CCJ 4076  Crime Intelligence and Investigative Support Analysis 3 hrs
CCJ 4641  Organized Crime 3 hrs
CCJ 4644  White Collar Crime 3 hrs
CCJ 4651  Drugs and Crime 3 hrs
CJT 3803  Security Management 3 hrs
CJT 3821  Practical Security Applications 3 hrs
COM 4416  Terrorism and Communication 3 hrs
CPO 3034  Politics of Developing Areas 3 hrs
CPO 3057  Contemporary Revolution and Political Violence 3 hrs
CPO 3403  Politics of the Middle East 3 hrs
CPO 3614  Politics of Eastern Europe 3 hrs
CPO 4303  Comparative Latin American Politics 3 hrs

Information Technology - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, Markl@cs.ucf.edu
Phone: 407-823-2790

Minor Admission Requirements
■ Not open to Information Technology majors.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (3 hrs)
■ Select one (1) of the following courses:
  COP 2500C  Concepts in Computer Science 4 hrs
  COP 3223C  Introduction to Programming with C 3 hrs

Restricted Electives (15 hrs)
■ Select any five (5) courses required for the IT major and taught by CS/IT at UCF with the following prefixes: CAP, CGS, CIS, CNT, COT, or COP.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18
### Minors

**Intelligent Robotic Systems (IRS) - Interdisciplinary Minor**

**College of Engineering and Computer Science**

**Engineering, Room: 107**

[http://www.cecs.ucf.edu](http://www.cecs.ucf.edu)

Paul Edlen, Paul.Edlen@ucf.edu, 407-823-2455

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**Minor Admission Requirements**

- None

**Minor Requirements**

- None

#### Prerequisite Courses

**Select 1:**

- A high-level programming language class (like the following or its equivalent) is required for the minor.
  - COP 3223C Introduction to Programming with C or 3 hrs
  - EGN 3211 Engineering Analysis and Computation 3 hrs

**Required Courses**

- EGN 4060C Introduction to Robotics 3 hrs
- EEL 4660 Robotic Systems 3 hrs

**Restricted Electives**

- Note: Courses with equivalent content cannot both be counted toward the electives.
  - CAP 4053 AI for Game Programming or 3 hrs
  - CAP 4453 Robot Vision or 3 hrs
  - CAP 4630 Artificial Intelligence or 3 hrs
  - CAP 5415 Computer Vision or 3 hrs
  - CAP 5512 Evolutionary Computation or 3 hrs
  - CAP 5610 Machine Learning or 3 hrs
  - COP 3503C Computer Science II or 3 hrs
  - EEL 3657 Linear Control Systems or 3 hrs
  - EEL 4612C Introduction to Modern and Robust Control or 4 hrs
  - EEL 4750 Digital Signal Processing Fundamentals or 3 hrs
  - EEL 4818H Honors Current Topics in Machine Learning I or 3 hrs
  - EEL 4872 Engineering Applications of Intelligent Systems or 3 hrs
  - EEL 5569 Autonomous Robotic Systems or 3 hrs
  - EEL 5173 Linear Systems Theory or 3 hrs
  - EEM 5513 Digital Signal Processing Applications or 3 hrs
  - EEL 5625 Applied Control Systems or 3 hrs
  - EEL 5630 Digital Control Systems or 3 hrs
  - EEL 5820 Image Processing or 3 hrs
  - EEL 5825 Pattern Recognition or 3 hrs
  - EGN 3321 Engineering Analysis-Design or 3 hrs
  - EML 3217 Engineering Mechanics - Dynamics or 3 hrs
  - EML 3262 Kinematics of Mechanisms or 3 hrs
  - EML 4225 Introduction to Vibrations and Controls or 3 hrs
  - EML 4312C Feedback Control or 3 hrs
  - EML 4313 Intermediate System Dynamics and Controls or 3 hrs
  - EML 4264 Vehicle Dynamics or 3 hrs
  - EML 4804C Digital Control in Mechatronics or 3 hrs
  - EML 5311 System Control or 3 hrs
  - EML 5290 Introduction to MEMS and Micromachining or 3 hrs

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**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- 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.

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**International and Global Studies - Minor**

**College of Sciences**

**Department of Political Science,**

**Howard Phillips Hall, Room: 302**


**Email:** politics@ucf.edu

Dr. Paul Vasquez

Phone: 407-823-2608

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Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

**Minor Admission Requirements**

- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
  - 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses

- INR 4008 Global Perspectives or 3 hrs
- GEO 3471 World Political Geography or 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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Minor Requirements

A. Political Science:

Select courses from this grouping:  6 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 4011</td>
<td>Politics of Globalization or International Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4030</td>
<td>Diplomacy or Foreign Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4035</td>
<td>International Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4054</td>
<td>Global Politics of Energy or Global Environmental Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4074</td>
<td>Immigration Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4075</td>
<td>Human Rights Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4076</td>
<td>Global Drug Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4350</td>
<td>Global Environmental Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4502</td>
<td>International Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4603</td>
<td>International Relations Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4714</td>
<td>Politics of International Trade Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4600</td>
<td>Causes of War</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B. Area Studies:  6 hrs

- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies, Russian Studies
- Courses may not have a prefix of INR, CPO, POT, POS or PUP
- C. Other:

Select one course from this grouping:  3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 3103</td>
<td>Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4062</td>
<td>Comparative Judicial Process</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4074</td>
<td>Political Economy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4754</td>
<td>Comparative Political Institutions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4710</td>
<td>Women in Comparative Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4784</td>
<td>Political and Economic Inequality</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4445</td>
<td>Comparative Political Parties</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 3651</td>
<td>War and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 4300</td>
<td>International Media</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 4454</td>
<td>Global Inequality and Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Three one credit Foreign Language across the Curriculum (FLAC) courses

Foreign Language Requirements

- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required  21

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental approval.

International Business - Minor

College of Business Administration
Office of Professional Development, Business Administration II, Room: 101

http://web.bus.ucf.edu

Suzanne Waldrop, Suzanne.Waldrop@ucf.edu, 407-823-5833

Minor for Business Majors

Minor Admission Requirements

- None

Minor 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>GEB 3375</td>
<td>Introduction to International Business</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 12 to 15 hours of Study Abroad  12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3955</td>
<td>Study Abroad</td>
<td></td>
</tr>
<tr>
<td>GEB 4955</td>
<td>Study Abroad</td>
<td></td>
</tr>
</tbody>
</table>

Restricted Electives  (3 hrs)

- Select the course below only if less than 15 hours of Study Abroad completed

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3474</td>
<td>International Negotiations and Transactions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

International Engineering - Minor

College of Engineering and Computer Science

Engineering, Room: 107

http://www.cecs.ucf.edu

Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027
Brittany Kester, brittany.kester@ucf.edu, 407-823-2455

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution that are not part of a College of Business exchange program, must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- 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
### Required Courses (18 hrs)
- **The International minor in Engineering or Computer Science** is composed of three parts:

#### Language Skill Acquisition (6 hrs)
- It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience described below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement cannot be waved by the minor coordinator for study abroad in countries in which English is widely spoken.
- If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework, appropriate to the region of study, at UCF in lieu of the foreign language credits. This alternative international coursework will consist of two of the following courses (or an equivalent(s) approved by the program coordinator):
  - **ANT 3212** Peoples of the World 3 hrs
  - **ANT 3541** Biobehavioral Anthropology 3 hrs
  - **ANT 4332** People and Cultures of Latin America 3 hrs
  - **ANT 3610** Language and Culture 3 hrs
  - **ASH 4404** Modern China 3 hrs
  - **ASH 4442** Modern Japan 3 hrs
  - **COM 4461** Intercultural Communication 3 hrs
  - **CPO 3034** Politics of Developing Areas 3 hrs
  - **CPO 3103** Comparative Politics 3 hrs
  - **CPO 3104** Politics of Western Europe 3 hrs
  - **CPO 4101** Politics of the European Union 3 hrs
  - **CPO 4303** Comparative Latin American Politics 3 hrs
  - **CPO 4643** Government and Politics of Russia 3 hrs
  - **GEO 3471** World Political Geography 3 hrs
  - **REL 3333** Hinduism 3 hrs
  - **REL 3363** Islam 3 hrs
  - **IDS 3333** World Comparative Studies 3 hrs
  - **INR 4035** International Political Economy 3 hrs
  - **INR 4102** American Foreign Policy 3 hrs
  - **INR 4224** Contemporary International Politics of Asia 3 hrs
  - **INR 4243** International Politics of Latin America 3 hrs
  - **INR 4401** International Law 3 hrs

#### Cultural Coursework (3 hrs)
- It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience. This can be done in one of two ways, in decreasing order of preference:
  - **Option 1** Students will complete three hours of coursework in any/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
  - **Option 2** If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

#### Study Abroad Experience (9 hrs)
- The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad.
- Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

### Restricted Electives
- **None**

### Foreign Language Requirements
- **See Language Skills Acquisition**

### Total Semester Hours Required
- **18**

### Other Requirements
- A minimum grade of “C” (2.0) or better is required in all courses toward the minor.
- Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

---

### Italian - Minor

#### College of Arts and Humanities

#### Department of Modern Languages and Literatures, Colbourn Hall, Room: 522

http://mll.cah.ucf.edu/

Dr. Chiara Mazzucchelli, chiara.mazzucchelli@ucf.edu

#### Minor Admission Requirements
- **None**

#### Minor Requirements
- **None**

#### Prerequisite Courses
- **None**

#### Required Courses (6 hrs)
- **ITA 3420** Italian Composition 3 hrs
- **ITA 3760** Advanced Italian Oral Communication 3 hrs

1. A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

#### Restricted Electives (12 hrs)
- Select four upper division Italian language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

#### Foreign Language Requirements
- **None**

#### Total Semester Hours Required
- **18**

#### Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

### Journalism Studies - Minor

#### College of Sciences

Nicholson School of Communication, NSC, Room: 143

http://communication.cos.ucf.edu

Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu, 407-823-2881

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is
media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

**Minor Admission Requirements**
- Not open to Ad-PR, Journalism, or Radio-TV majors

**Minor Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**
- JOU 3004 History of American Journalism 3 hrs

**Restricted Electives**
- Select from the following:
  - JOU 3301 Journalism Readings 3 hrs
  - JOU 3510 Magazine Publishing 3 hrs
  - JOU 4700 Journalism Ethics 3 hrs
  - MMC 2004 Mass Media 3 hrs
  - MMC 3200 Mass Communication Law 3 hrs
  - MMC 4300 International Media 3 hrs
  - VIC 3001 Visual Communication 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

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**Judaic Studies - Minor**

**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)

Email: judaicst@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 the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Interested students are encouraged to meet with the program director. Students minoring in Judaic Studies should take 6 HBR or JST courses, for a total of 18-20 credit hours.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- None

**Restricted Electives**
- Choose 6 Restricted Electives courses.

**Jewish History**
- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3481 20th Century Jewish History and Thought 3 hrs
- JST 3701 History of the Holocaust 3 hrs
- JST 3417 Sephardi Jews: History, Culture, and Folklore 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
- JST 3424 Biblical Archaeology 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
- JST 3803 The Israeli Experience in Short Stories 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

**Culture**
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
- JST 3851 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs
- JST 3821 Israel: Start-Up Nation 3 hrs

**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

**Other courses, including special topics, with the approval of the Director**

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 20

**Other Requirements**
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Requirement for minor is 18-20 credits.

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**Latin American Area Studies - Minor**

**College of Arts and Humanities**

**Latin American Studies, Colbourn Hall, Room: 122**


Director: Dr. Consuelo Stebbins, stebbins@ucf.edu

Advisor: Donna Mercado, Donna.Mercado@ucf.edu

Phone: 407-823-1173

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**
- None

**Minor Requirements**
- None

**Foreign Language Requirements**
- None

**Other Requirements**
- None
Prerequisite Courses
- None

Required Courses (9 hrs)
- GEA 4405 Geography of Latin America 3 hrs
- LAS 3002 Topics in Latin American Studies 3 hrs
- LAS 3101 Latin American Popular Culture 3 hrs

Restricted Electives (9 hrs)
- Select one (1) course from three (3) different areas below, for a total of nine (9) hours. Additional courses not listed below may substitute with prior approval from the Program Director.

Anthropology
- ANT 3164 Ancient Incas 3 hrs
- ANT 3168 Maya Archaeology 3 hrs
- ANT 4332 People and Cultures of Latin America 3 hrs
- ANT 4340 Caribbean Cultures 3 hrs
- ANT 3160 Americas Before Columbus 3 hrs
- ANT 3161 Ancient Mexico: Aztec to Zapotec 3 hrs
- ANT 3163 Mesoamerican Archaeology 3 hrs
- ANT 3165 Archaeology of South America 3 hrs
- ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas 3 hrs

Modern Languages and Literature
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- FRW 3770 Francophone Literature 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- FRW 3752 French Caribbean Literature 3 hrs
- SPW 4382 Central American Literature 3 hrs
- SPN 3852 Bilingualismo 3 hrs
- SPW 4730 Hispanic Literature of the United States 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs

History
- LAH 3130 Latin American History I 3 hrs
- LAH 3200 Modern Latin America 3 hrs
- LAH 3400 History of Mexico and Central America 3 hrs
- LAH 3470 History of the Caribbean 3 hrs
- AMH 3586 History of the Hispanic Minorities in the U.S. 3 hrs
- LAH 4136 Colonial Florida 3 hrs
- LAH 4512 Modern Argentina 3 hrs
- LAH 4461 History of Puerto Rico 3 hrs
- LAH 4480 History of Cuba 3 hrs
- LAH 4742 The Mexican Revolution 3 hrs
- LAH 4760 Poverty and Development in Latin America 3 hrs

Latin American Studies
- LAS 4023 African Caribbean Experience 3 hrs
- LAS 3955 Study Abroad 1 hr
- LAS 4906 Directed Independent Study 1 hr
- LAS 3905 Directed Independent Study 1 hr

Political Science
- CPO 4303 Comparative Latin American Politics 3 hrs
- CPO 3034 Politics of Developing Areas 3 hrs
- CPO 3103 Comparative Politics 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4794 Indigenous Politics and the Environment 3 hrs

English
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 4630 Latino/Latina Literature 3 hrs
- AML 3662 Ethnic Literature in America 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- LIT 3381 Women Writers of Color 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- LIT 3368 Magical Realism in Literature 3 hrs

International Relations
- INR 4243 International Politics of Latin America 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs

Humanities
- HUM 3460 Latin American Humanities 3 hrs

Public Policy
- PUP 3314 Minorities in American Politics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

Leadership Studies - Minor
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)

Foundation Requirement 4 hrs
- LDR 2001 Foundations of Leadership 2 hrs
- LDR 2902 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements 15 hrs
- Choose one course from each of the five areas:

Communication
- COM 3111C Communication and Human Relations or 3 hrs
- COM 3120 Organizational Communication or 3 hrs
- COM 3102 Intercultural Communication or 3 hrs
- ENC 3250 Professional Writing or 3 hrs
- SPC 3445 Leadership Through Oral Communication or 3 hrs

Collaboration
- INP 3004 Industrial/Organizational Psychology or 3 hrs
- INP 4313 Organizational Psychology or 3 hrs
- MAN 3205 Organizations: Theory and Behavior or 3 hrs
- MAN 3025 Management of Organizations or 3 hrs
- SPC 4426 Group Dynamics or 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 3304C Motivation or 3 hrs
- SOP 3004C Social Psychology or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3784 Psychology of Diversity or 3 hrs
### Politics

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
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<tbody>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4104</td>
<td>Administrative Theory or</td>
<td>3</td>
</tr>
<tr>
<td>PAD 4144</td>
<td>Nonprofit Organizations or</td>
<td>3</td>
</tr>
<tr>
<td>PAF 4754</td>
<td>Interdisciplinary Leadership in Public</td>
<td>3</td>
</tr>
<tr>
<td>POS 3413</td>
<td>The American Presidency or</td>
<td>3</td>
</tr>
<tr>
<td>POS 4206</td>
<td>Political Psychology or</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3325</td>
<td>Women and Political Behavior or</td>
<td>3</td>
</tr>
<tr>
<td>SYO 4300</td>
<td>Political Sociology</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 or 3 hrs**

**SYO 4300 Political Sociology 3 hrs**

### Ethics

- **BUL 3130 Legal and Ethical Environment of Business 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 3638 Ethical Issues in the 21st Century or 3 hrs**
- **PHI 3640 Environmental Ethics 3 hrs**

### Restricted Electives

- None

### Foreign Language Requirements

- None

### 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 Legal Studies, Health and Public Affairs I, Room: 343**

**http://www.cohta.ucf.edu/legalstudies/index.shtml**

**Email:** legalstudies@ucf.edu

**Dr. David Slaughter, Program Coordinator**

**Rubert Neish II, Program Academic Advisor**

**Phone:** 407-823-1670

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- **PLA 3014 Law and the Legal System** 3 hrs

**Restricted Electives**

- **18 hrs**

**Restricted Upper Division Electives**

- 15 hrs

**Restricted Electives**

- 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- A minimum grade of “C” (2.0) is required in each course to satisfy the minor.

### Magazine Journalism - Minor

**College of Sciences**

**Nicholson School of Communication, NSC, Room: 143**

**http://communication.cos.ucf.edu**

**Email:** Journalism@ucf.edu

**Dr. Steve Collins, Area Coordinator, steven.collins@ucf.edu**

**Nicholson Academic Student Services, nassc@ucf.edu**

**Phone:** 407-823-2681

**Minor Admission Requirements**

- Grammar proficiency requirement.
- A minimum UCF GPA of 2.5 is required.
- The minor is not open to Ad-PR, Journalism, or Radio-TV majors.

**Minor Requirements**

- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

**Prerequisite Courses**

- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**

- **JOU 2100C News Reporting** 3 hrs
- **JOU 3310 Social Media Writing for Magazines** 3 hrs
- **JOU 3510 Magazine Publishing** 3 hrs
- **JOU 4447 Magazine Editing and Production** 3 hrs

**Restricted Electives**

- **9 hrs**

**Select from the following:**

- **ENC 3310 Magazine Writing I or** 3 hrs
- **JOU 3310 Social Media Writing for Magazines or** 3 hrs
- **JOU 3501 Editing I or** 3 hrs
- **JOU 4211C Informational Graphics or** 3 hrs
- **JOU 4213C Page Design or** 3 hrs
- **JOU 4300 Feature Writing or** 3 hrs
- **JOU 4340C Online Journalism I** 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.

### 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

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- **MAR 3323 Marketing** 3 hrs
- **MAR 3323 Integrated Marketing Communication** 3 hrs
- **MAR 3407 Contemporary Selling** 3 hrs

**Restricted Electives**

- **15 hrs**
Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, joan.mccain@ucf.edu
Nicholson Academic Student Services, nassc@ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
Not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

Prerequisite Courses
Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- ADV 3008 Principles of Advertising 3 hrs
- MMC 2004 Mass Media 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs

Restricted Electives
Select one:
- ADV 4103 Radio-Television Advertising 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs

Other Requirements
A maximum of 3 credit hours of the listed required or elective courses for the marketing minor can be counted towards the degree requirements of another major or minor degree program. Integrated Business majors will take one additional marketing elective selected from the listed courses.

Mass Culture and Collective Behavior - Minor College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Email: sociology@ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.

Minor Admission Requirements
The minor is not open to Sociology majors.
Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
Grades below “C” (2.0) in lower level courses are not accepted.
At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- SYP 4000 Sociological Social Psychology 3 hrs
- SYP 4000 Introduction to Sociology or 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives
Select from the following:
- SYA 4650C Community Action and Involvement 3 hrs
- SYG 3000 Contemporary Society 3 hrs
- SYO 4200 Religion in Society 3 hrs
- SYP 3300 Fads, Crowds, and Social Action 3 hrs

Foreign Language Requirements
None
Minors

SYP 3400  Social Change  3 hrs
SYP 3602  Patterns of Popular Music in Society  3 hrs
SYP 3630  Popular Culture In Society  3 hrs
SYP 3650  Sports and Society  3 hrs
SYP 4004  Constructing Social Issues  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Mathematical Biology - Minor

College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

Admission Requirements
■ None

Minor Requirements
■ A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
■ At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
■ This minor is not open to Math majors.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (21 hrs)
BSC 2010C  Biology I  4 hrs
MAC 2311C  Calculus with Analytic Geometry I  4 hrs
MAC 2312  Calculus with Analytic Geometry II  4 hrs

Restricted Electives (3 hrs)
Select from the following
BCH 4053  Biochemistry I  3 hrs
PCB 3023  Molecular Cell Biology  3 hrs
PCB 3044  Principles of Ecology  3 hrs
PCB 3063  Genetics  3 hrs
PCB 4693  Evolutionary Biology  4 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 24

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Mathematics - Minor

College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Constance Schober, MAP 312, Constance.Schober@ucf.edu, 407-823-0147

Minor Admission Requirements
■ The minor is not open to Mathematics or Math Education majors.

Minor Requirements
■ A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
■ At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
■ A minimum of 6 hours used to satisfy the Math Minor must be unique and not be used to satisfy the requirements of a major.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
MAC 2312  Calculus with Analytic Geometry II  4 hrs
MAC 2313  Calculus with Analytic Geometry III  4 hrs
MAP 2302  Ordinary Differential Equations I  3 hrs

Restricted Electives (7 hrs)
The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.
Select two from the following list of options:
■ MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
■ MAD XXXX (any 3000, 4000, or 5000 level course)
■ MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
■ MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
■ MTG XXXX (any 3000, 4000, or 5000 level course)
Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee
You may select either course if desired, but not both.

You may select either sequence, but not both.
■ MAA 4226  Advanced Calculus I and 4 hrs
■ MAA 4227  Advanced Calculus II  3 hrs
or
■ MAA 5210  Topics in Advanced Calculus  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

Mathematics Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Erhan Haciomeroglu, ED 123H, Erhan.Haciomeroglu@ucf.edu,
407-823-4336
Dr. Janet Andreason, ED 123Q, Janet.Andreasen@ucf.edu

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses
■ A C- or better is required in these courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- MAE 4360 Mathematics Instructional Analysis 4 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ Students should see an advisor prior to registering for classes
■ Students must complete 18 hrs of courses in mathematics as co-requisites
■ At least 12 hours in the minor must be earned at UCF
■ Obtain a minimum 2.5 GPA in courses required for minor

Medical Anthropology - Minor
College of Sciences
Department of Anthropology,
Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
Email: anthro@ucf.edu
Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

Minor Admission Requirements
■ The minor is not open to Anthropology majors.

Minor Requirements
■ Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
- ANT 2000 General Anthropology 3 hrs

Required Courses
■ Complete all of the following:
- ANT 2410 Cultural Anthropology: Global Perspectives, Local Contexts 3 hrs
- ANT 2511 The Human Species 3 hrs
- ANT 4408 Culture, Disease, and Healing 3 hrs
- ANT 4462 Medical Anthropology 3 hrs

Restricted Electives
Restricted Electives, Group A: 3 hrs
■ Select from the list below:
- ANT 3241 Magic, Ritual, and Belief 3 hrs
- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 4467 Nutritional Anthropology 3 hrs
- ANT 4516 Human Biological Diversity 3 hrs
- ANT 4560 Birth to Death: Anthropological Perspectives on Human Growth 3 hrs

Restricted Electives, Group B: 6 hrs
■ Select from the list below:
- ANT 3148 Life and Death in Ancient Egypt 3 hrs
- ANT 3541 Biobehavioral Anthropology 3 hrs
- ANT 3701 Engagement & Social Change: Public Anthropology 3 hrs
- ANT 4013 Anthropology of Food 3 hrs
- ANT 4184 Mortuary Archaeology 3 hrs
- ANT 4521 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 prior 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.

Medical Sociology - Minor
College of Sciences
Department of Sociology,
Howard Phillips Hall, Room: 403
http://sociology.cos.ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

Minor Admission Requirements
■ The minor is not open to Sociology majors.
■ Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
■ Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
Minors

Prerequisite Courses
- Most courses for this certificate will have prerequisites.
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs

Restricted Electives (12 hrs)
- Select two courses from the following:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 yrs
  - ENL 4311 Chaucer 3 hrs
  - ENL 4341 Milton and His Age 3 hrs
  - ENL 4333 Shakespeare Studies 3 hrs
- May substitute a relevant health-related course from another department with permission from Sociology.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor

College of Arts and Humanities

Department of English, Colbourn Hall, Room: 405
http://www/english.ucf.edu/

Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
- None

Minor 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:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - 1ENL 4311 Chaucer 3 hrs
  - 1ENL 4341 Milton and His Age 3 hrs
  - 1ENL 4333 Shakespeare Studies 3 hrs

- 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 History
    - AMH 4100 Colonial America, 1607-1763 3 hrs
    - AMH 4112 The Atlantic World 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 Philosophy
  - PHH 3200 Medieval Philosophy 3 hrs
  - HUM 3435 Medieval Humanities 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor

College of Arts and Humanities

Program in Middle Eastern Studies, Colbourn Hall, Room: 551
http://middleeasternstudies.cah.ucf.edu/

Dr. Hakan Ozoglu

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- CPO 3403 Politics of the Middle East 3 hrs
- ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (9 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) and/or Classical Arabic (ARA 2200).
- ARA 2200 Intermediate Arabic Language and Civilization I 3 hrs
- ASH 3222 Islam and its Empires 3 hrs
- ASH 5227 The Arab-Israeli Conflict 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- REL 3320 Moses, Jesus and Muhammad 3 hrs
- JST 3401 Jewish People in Antiquity 3 hrs

Departments of Modern Languages

FRW 3100 Survey of French Literature I 3 hrs
ITW 3100 Survey of Italian Literature I 3 hrs
SPW 3100 Survey of Spanish Literature I 3 hrs
SPW 3370 Spanish Short Story 3 hrs
SPW 4310 Golden Age Drama 3 hrs
SPW 4322 Contemporary Iberian Theatre 3 hrs
SPW 4664 Cervantes 3 hrs
ITT 3443 Dante’s Inferno 3 hrs

Department of Music

MUH 4322 Medieval and Renaissance Music 3 hrs

Department of Philosophy

PHH 3200 Medieval Philosophy 3 hrs
HUM 3435 Medieval Humanities 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.
- Students are responsible for meeting any prerequisites for the courses in the minor.

Limited to one course from the following:
- MUS 3820/4820 Music of the Middle East 3 hrs
- MUS 3821/4821 Music of Latin America 3 hrs

Restricted Electives (9 hrs)
- Only one of these three courses will count towards required courses

Other Requirements
- At least 12 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
- Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor

College of Arts and Humanities

Program in Middle Eastern Studies, Colbourn Hall, Room: 551
http://middleeasternstudies.cah.ucf.edu/

Dr. Hakan Ozoglu

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- CPO 3403 Politics of the Middle East 3 hrs
- ASH 3223 The Modern Middle East 3 hrs

Restricted Electives (9 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) and/or Classical Arabic (ARA 2200).
- ARA 2200 Intermediate Arabic Language and Civilization I 3 hrs
- ASH 3222 Islam and its Empires 3 hrs
- ASH 5227 The Arab-Israeli Conflict 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- REL 3320 Moses, Jesus and Muhammad 3 hrs
- JST 3401 Jewish People in Antiquity 3 hrs
Minors

Music - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Minor Requirements
- None

Required Courses
- None

Select 1:
- MUL 2010 Enjoyment of Music or
- MUL 2016 Evolution of Jazz or
- MUL 2720 Music of the World or
- MUH 2017 Survey of Rock Music or
- MUH 2019 American Popular Music, 1840s-present

Restricted Electives
- Restricted electives must be taken from the School of Performing Arts at UCF and must include 3 hours minimum at the 3000 or 4000 level.

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nanoscale Science and Technology - Minor
College of Sciences
Department of Physics,
Physical Sciences Building, Room: 403
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman, 407-823-2325

This minor is designed to offer students a working knowledge of nanoscience principles and industrial applications, and to understand the societal and technology issues that may impede the adoption of nanotechnology. In addition, students are expected to develop the ability to communicate effectively, work collaboratively, and identify paths and requisite knowledge and skills for nanotechnology careers. With the service learning component built into the three core courses, students completing the minor will only need a fourth SL-designated course of their choice to receive a UCF Service-Learning certificate.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Physics.

JST 3402 Wanderings: The Jewish People in Dispersion
JST 3820 Modern Israeli Culture
PHH 3200 Medieval Philosophy
REL 2300 World Religions

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

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 course 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, Classroom Building 2, Room: 321
LTC Mario Johnson
Phone: 407-823-1872

Minor Admission Requirements
- Interview with Chair/Professor of Military Science to determine eligibility to meet requirements to contract and commission as an officer in the US Army.

Minor Requirements
- Eligibility for this minor is restricted to those students who meet the requirements to contract and commission as officers in the US Army. Students desiring to enroll in the advanced Military Science courses must be willing to pursue a commission as a Second Lieutenant and must meet prerequisite requirements to contract and must obtain permission from the Chair/Professor of Military Science through an interview process, prior to participating in the advanced courses.

Prerequisite Courses

Military Science Prerequisites
- MSL 1001C Foundations of Officership
- MSL 1002C Basic Leadership
- MSL 2101C Individual Leadership Studies
- MSL 2102C Leadership and Teamwork

Required Courses
- MSL 3201C Leadership and Problem Solving
- MSL 3202C Leadership and Ethics
- MSL 4301C Leadership and Management
- MSL 4302C Officerhip

Restricted Electives
- MSL 4306C Advanced Leadership

Select one of the following
- MUL 2016 Evolution of Jazz or
- MUL 2720 Music of the World or
- MUH 2017 Survey of Rock Music or
- MUH 2019 American Popular Music, 1840s-present

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Physics.

Other Requirements
- None

Total Semester Hours Required
- 18

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 course 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.

Music - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Minor Requirements
- None

Required Courses
- None

Select 1:
- MUL 1004 Fundamentals of Music I
- MUL 1121 Music Theory and Musicianship I

Restricted Electives
- Restricted electives must be taken from the School of Performing Arts at UCF and must include 3 hours minimum at the 3000 or 4000 level.

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nanoscale Science and Technology - Minor
College of Sciences
Department of Physics,
Physical Sciences Building, Room: 403
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman, 407-823-2325

This minor is designed to offer students a working knowledge of nanoscience principles and industrial applications, and to understand the societal and technology issues that may impede the adoption of nanotechnology. In addition, students are expected to develop the ability to communicate effectively, work collaboratively, and identify paths and requisite knowledge and skills for nanotechnology careers. With the service learning component built into the three core courses, students completing the minor will only need a fourth SL-designated course of their choice to receive a UCF Service-Learning certificate.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Physics.

Other Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Total Semester Hours Required
- 19

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 course 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.

Music - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center - Music, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu, 407-823-5968

Minor Admission Requirements
- None

Minor Requirements
- None

Required Courses
- None

Select 1:
- MUL 1004 Fundamentals of Music I
- MUL 1121 Music Theory and Musicianship I

Restricted Electives
- Restricted electives must be taken from the School of Performing Arts at UCF and must include 3 hours minimum at the 3000 or 4000 level.

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) are not accepted.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Nanoscale Science and Technology - Minor
College of Sciences
Department of Physics,
Physical Sciences Building, Room: 403
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman, 407-823-2325

This minor is designed to offer students a working knowledge of nanoscience principles and industrial applications, and to understand the societal and technology issues that may impede the adoption of nanotechnology. In addition, students are expected to develop the ability to communicate effectively, work collaboratively, and identify paths and requisite knowledge and skills for nanotechnology careers. With the service learning component built into the three core courses, students completing the minor will only need a fourth SL-designated course of their choice to receive a UCF Service-Learning certificate.

Admission Requirements
- None

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the Department of Physics.

Other Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

Total Semester Hours Required
- 19

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 course 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.
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class. In addition, the students must have completed the following courses, which are taken by most science majors:

Select 1:
- PHY 2046C Physics for Engineers & Scientists I or 4 hrs
- PHY 2053C College Physics I 4 hrs

Select 2:
- PHY 2046C Physics for Engineers and Scientists II or 4 hrs
- PHY 2054C College Physics II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- COP 3223C Introduction to Programming with C 3 hrs

Required Courses (9 hrs)
- The three required courses include a 20-hour service learning component:
  - PHZ 3462 Nanoscience I: The Science and Societal Impacts 3 hrs
  - PHZ 3464 Nanoscience II: Technological Applications 3 hrs
  - PHZ 3466 Nanoscience III: A Virtual Laboratory 3 hrs

Restricted Electives (9 hrs)
- Select three courses from the following list. One course must be chosen from the listed from the Physics department. Other electives should be taken with approval of the program director.
  - PHY 3802L Intermediate Physics Laboratory 3 hrs
  - PHY 3101 Physics for Engineers and Scientists III 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs
  - BSC 3424 Nanobiotechnology 3 hrs
  - OSE 3490 Nanophotonics 3 hrs
  - PHY 5933 Selected topics in biophysics of macromolecules 3 hrs
  - PHI 3626 Advanced Ethics in Science and Technology 3 hrs
  - PHI 4690 Ethics in Nanoscience and Nanotechnology 3 hrs
  - PHZ 5425C Electron Solid Interactions 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Note: To obtain a Service-Learning certificate, four UCF-approved service-learning courses must be completed. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.

Nonprofit Management/National Certification in Nonprofit Management - Minor
College of Health and Public Affairs
School of Public Administration, Health and Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

Nonprofit Management/National Certification in Nonprofit Management - Minor
College of Health and Public Affairs
School of Public Administration, Health and Public Affairs II, Room: 238
Stephanie Krick, stephanie.krick@ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements
- None

Minor Requirements
- Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses
- None

Required Courses
- (9 hrs)
  1. PAD 3930 Nonprofit Leadership Seminar 1 hr
  2. PAD 4948 Nonprofit Management Internship 3 hrs
  3. PAD 4144 Nonprofit Organizations 3 hrs

1. One credit hour course repeated three semesters.
2. Internships within other programs may be accepted with prior approval of Nonprofit Leadership Alliance advisor.

Restricted Electives
- (9 hrs)
  1. AGC 2021 Principles of Financial Accounting or 3 hrs
  2. AGC 2071 Principles of Managerial Accounting or 3 hrs
  3. MAN 3025 Management of Organizations or 3 hrs
  4. PAD 4131 Public Sector Project Management or 3 hrs
  5. PAD 4204 Fiscal Management or 3 hrs
  6. PAD 5850 Grant and Contract Management or 3 hrs
  7. SOW 3401 Social Work Research or 3 hrs
  8. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs
  9. PAD 4325 Program Evaluation for Public and Nonprofit Organizations or 3 hrs

   - 1. MAN 3301 Strategic Human Resource Management or 3 hrs
   - 1. MAN 4101 Human Relations in Management or 3 hrs
   - 1. MAN 4320 Human Resources Recruitment and Selection or 3 hrs
   - 1. PAD 4414 Human Resource Administration or 3 hrs
   - 1. PAD 4148 Volunteer Management or 3 hrs
   - 1. SOW 3224 Social Work Perspectives on Social Justice or 3 hrs
   - 1. SOW 3104 Human Behavior and the Social Environment I or 3 hrs
   - 1. DEP 2004C Developmental Psychology or 3 hrs
   - 1. DEP 3464 Psychology of Aging or 3 hrs
   - 1. DEG 4941 Directed Field Experience or 3 hrs

   - 1. MAN 3301 Strategic Human Resource Management or 3 hrs
   - 1. MAN 4101 Human Relations in Management or 3 hrs
   - 1. MAN 4320 Human Resources Recruitment and Selection or 3 hrs
   - 1. PAD 4414 Human Resource Administration or 3 hrs
   - 1. PAD 4148 Volunteer Management or 3 hrs
   - 1. SOW 3224 Social Work Perspectives on Social Justice or 3 hrs
   - 1. SOW 3104 Human Behavior and the Social Environment I or 3 hrs
   - 1. DEP 2004C Developmental Psychology or 3 hrs
   - 1. DEP 3464 Psychology of Aging or 3 hrs
   - 1. SOW 3224 Social Work Perspectives on Social Justice or 3 hrs
   - 1. SOW 3104 Human Behavior and the Social Environment I or 3 hrs
   - 1. DEG 4941 Directed Field Experience or 3 hrs

   - 1. MAN 4320 Human Resources Recruitment and Selection or 3 hrs
   - 1. PAD 4414 Human Resource Administration or 3 hrs
   - 1. PAD 4153 Planning and Improvement for Public Organizations or 3 hrs

1. Course has prerequisites or may be open to students in that major only. Please see catalog for details.

Public Affairs Emphasis
- 9 hrs
  1. Select at least 3 courses from the following:
    - PAD 4148 Volunteer Management 3 hrs
    - PAD 4153 Planning and Improvement for Public Organizations 3 hrs
    - PAD 4131 Public Sector Project Management 3 hrs
    - PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
    - PAD 4204 Fiscal Management 3 hrs
    - PAD 4222 Public Budgeting: Skills and Techniques 3 hrs
    - PAD 4253 Community & Economic Development 3 hrs
    - PAD 4325 Program Evaluation for Public and Nonprofit Organizations 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Performing Arts Administration - Minor
College of Arts and Humanities
Department of Music,
Performing Arts Center, Room: M203
http://music.cah.ucf.edu/
Kirk Gay, kirk.gay@ucf.edu
Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

Minor Admission Requirements (6 hrs)
Take one of the following courses: 3 hrs
MUL 2010  Enjoyment of Music or 3 hrs
MUL 2014  Introduction to Music History and Literature 3 hrs
Take one of the following courses: 3 hrs
THE 2000  Theatre Survey or 3 hrs
THE 2020  Survey of Theatre for Majors 3 hrs

Minor Requirements
■ None
Prerequisite Courses
■ None
Required Courses (15 hrs)
■ The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.
   ACG 2071  Principles of Managerial Accounting 3 hrs
   ACG 2021  Principles of Financial Accounting 3 hrs
   TPA 4400  Theatre Management 3 hrs
   MUS 4320  Music Business and Industry 3 hrs
   THE 4941  Internship 1 hr

Restricted Electives (9 hrs)
■ Select three courses, one from each of the three different areas.
Finance & Budgeting
   FIN 2100  Personal Finance and Investments 3 hrs
   ECO 2023  Principles of Microeconomics 3 hrs
   ACG 2071  Principles of Managerial Accounting 3 hrs
Management
   MAR 3023  Marketing 3 hrs
   MAN 3025  Management of Organizations 3 hrs
Nonprofit Sector
   PAD 4148  Volunteer Management 3 hrs
   PAD 4147  Resource Development in the Nonprofit Sector 3 hrs
   PAD 3003  Public Administration in American Society 3 hrs

Foreign Language Requirements
■ None

Minor Requirements
■ None
Total Semester Hours Required
■ 30

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) are not accepted
■ At least 15 hours in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
Minors

Philosophy - Minor
College of Arts and Humanities

Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: philosophy2@ucf.edu
Dr. Jennifer Mundale, Jennifer.Mundale@ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:

  Reasoning
  Select 1: 3 hrs
  PHI 2011 Philosophical Reasoning or 3 hrs
  PHI 2101 Formal Logic I or 3 hrs
  PHI 2847 Logic and Ethics or 3 hrs
  PHI 3131 Formal Logic II or 3 hrs
  PHI 2108 Critical Thinking 3 hrs

  History of Philosophy
  Select 1: 3 hrs
  PHH 3100 Ancient Philosophy or 3 hrs
  PHI 3200 Medieval Philosophy or 3 hrs
  PHI 3460 Modern Western Philosophy or 3 hrs
  PHI 3600 Contemporary Philosophy 3 hrs

  Values and Society
  Select 1: 3 hrs
  PHI 3670 Ethical Theory or 3 hrs
  PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
  PHM 3401 Philosophy of Law or 3 hrs
  PHI 3800 Aesthetics or 3 hrs
  PHM 3123 Feminist Theories or 3 hrs
  PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  PHI 3625 Virtual Ethics or 3 hrs
  PHI 4633 Ethics and Biological Science or 3 hrs
  PHM 3100 Freedom and Justice or 3 hrs
  PHI 3640 Environmental Ethics or 3 hrs
  PHM 4031 Environmental Philosophy or 3 hrs
  PHI 3701 Native American Philosophy or 3 hrs
  PHI 3805 Contemporary Aesthetics or 3 hrs
  PHM 3020 Philosophy of Love or 3 hrs
  PHI 4073 Medical Ethics 3 hrs

  Being and Knowing
  Select 1: 3 hrs
  PHI 4500 Metaphysics or 3 hrs
  PHI 4341 Ways of Knowing or 3 hrs
  PHI 4300 Theories of Knowledge or 3 hrs
  PHI 3700 Philosophy of Religion or 3 hrs
  PHI 4400 Philosophy of Science or 3 hrs
  PHI 3320 Philosophy of Mind or 3 hrs
  PHI 3451 Philosophy of Psychology or 3 hrs
  PHI 4420 Philosophy of Social Science or 3 hrs
  PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
  PHP 4782 Phenomenology or 3 hrs
  PHI 4221 Philosophy of Language 3 hrs

  Topics in Philosophy
  Select 1: 3 hrs
  PHI 4931 Philosophy in the News or 3 hrs
  PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs

  PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
  PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  PHI 4804 Critical Theory or 3 hrs
  PHP 3783 Modernity as a Philosophical Problem or 3 hrs
  PHI 3750 The Problem of Evil or 3 hrs
  PHI 3720 Faith and Reason or 3 hrs
  PHI 3803 Philosophy and Creativity or 3 hrs
  REL 3111 Religion and Philosophy Through Film or 3 hrs
  PHP 3786 Existentialism or 3 hrs
  PHP 4933 Key Concepts in Philosophy or 3 hrs
  PHP 4931 Key Figures in Philosophy 3 hrs

Restricted Electives (3 hrs)
- Select one additional course from any of the courses listed above.
  - Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by the departmental advisor.

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 approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

Physics - Minor
College of Sciences

Department of Physics, Physical Sciences, Room: 430
http://www.physics.ucf.edu
Email: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
## Political Science - Minor
### College of Sciences
**Department of Political Science, Howard Phillips Hall, Room: 302**
[http://politicalscience.cos.ucf.edu](http://politicalscience.cos.ucf.edu)

**Email:** politics@ucf.edu

Dr. Roger Handberg
Phone: 407-823-2608

### Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - 1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  - 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:

### Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

### Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

### Required Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

### Restricted Electives
- Five upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4315 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, and PUP; GEO 3471 or IDS 4008 are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

## Political Science/Prelaw - Minor
### College of Sciences
**Department of Political Science, Howard Phillips Hall, Room: 302**

**Email:** politics@ucf.edu

Dr. Roger Handberg
Phone: 407-823-2608

### Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  - Students who double minor in Political Science/Prelaw and International and Global Studies shall not count more than one course toward both programs.

### Minor Requirements
- 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:

### Prerequisite Courses
- Most courses for this minor will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

### Required Courses
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

### Restricted Electives
- Only three hours of the following course may be used:

### Total Semester Hours Required
- 18

### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

## Psychology - Minor
### College of Sciences
**Department of Psychology, Psychology Building, Room: 301**

**Email:** psychadvising@ucf.edu

Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

### Minor Admission Requirements
- The minor is not open to psychology majors.

### Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

## Psychology
### College of Sciences
**Department of Psychology, Psychology Building, Room: 301**

**Email:** psychadvising@ucf.edu

Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

### Minor Admission Requirements
- The minor is not open to psychology majors.

### Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.
Minors

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3204C</td>
<td>Statistical Methods in Psychology</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select one statistics course: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (15 hrs)

A. Experimental

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXP 3204C</td>
<td>Perception or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EXP 3404C</td>
<td>Basic Learning Processes or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EXP 3604C</td>
<td>Cognitive Psychology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSB 4240C</td>
<td>Neuropsychology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EXP 3640</td>
<td>Psychology of Language</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

B. Personality/Social

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PPE 3003</td>
<td>Personality Theory and Research or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3004C</td>
<td>Social Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

C. Developmental

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEP 2004C</td>
<td>Developmental Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 3202</td>
<td>Psychology of Exceptional Children or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DEP 3484</td>
<td>Psychology of Aging</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

D. Diversity

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLP 3184</td>
<td>Women’s Mental Health or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3723</td>
<td>Cross Cultural Psychology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3724</td>
<td>Psychology of Prejudice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3742</td>
<td>Psychology of Women or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOP 3784</td>
<td>Psychology of Diversity</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

E. Select one additional Psychology elective 3 hrs

- The following courses will NOT fulfill this requirement:
  - INP 3141C Advanced Applied Psychology 3 hrs
  - INP 3951 Industrial/Organizational Field Work 3 hrs
  - PSY 3901 Directed Independent Study 1 hr
  - PSY 4906 Directed Independent Study 3 hrs
  - PSY 4912 Directed Independent Research 3 hrs
  - 1 PSY 3951 Undergraduate Field Work 3 hrs

1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements

- None

Total Semester Hours Required

- 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

School of Public Administration, Health and Public Affairs II, Room: 238

http://www.coehpa.ucf.edu/publicadmin

Dr. Michael Abels, michael.abels@ucf.edu, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements

- None

Minor Requirements

- None

Prerequisite Courses

- None

Required Courses (21 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3003</td>
<td>Public Administration in American Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3733</td>
<td>Professional Administrative Writing in the Public Sector</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4034</td>
<td>The Administration of Public Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4104</td>
<td>Administrative Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Fiscal Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4414</td>
<td>Human Resource Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4720</td>
<td>Survey Research in Public Administration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (6 hrs)

Select 2:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 3733</td>
<td>Real Estate Appraisal and Valuation or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4203</td>
<td>Commercial Real Estate Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4204</td>
<td>Residential Real Estate Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4303</td>
<td>Real Estate Investment Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4732</td>
<td>Real Estate Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 3614</td>
<td>Environmental Issues for Real Estate or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4933</td>
<td>Advanced Topics in Real Estate</td>
<td>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.
Religion and Cultural Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://philosophy.cah.ucf.edu/
Email: religion@ucf.edu
Dr. Sabatino DiBernardo, sabatino.dibernardo@ucf.edu,
407-823-2273

Religion and Cultural Studies is a minor designed to familiarize students with religious traditions around the world, from ancient through contemporary cultures, as well as to introduce students to critical theories and methods through which to view and analyze the category of religion and its associated concepts, practices, and meanings in all areas of life. The program emphasizes the academic study of religion, and does not privilege any particular tradition or belief. This program can be completed online, although not every course in each category is offered as an online course.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)

Studying Religion and Culture
- REL 2000 Introduction to Religious Studies 3 hrs

Traditions
- Must select one in each category

Abrahamic Traditions 3 hrs
- REL 3403 Christianity or
- REL 3363 Islam or
- REL 3320 Moses, Jesus and Muhammad or
- REL 3432 Roots of Western Mysticism or
- JST 3401 Jewish People in Antiquity

Asian and Indigenous Traditions 3 hrs
- REL 3940 Buddhist Thought or
- ANT 3245 Native American Religions or
- REL 3933 Hinduism

Theories and Methods 6 hrs
- Must select one in each category

Religion 3 hrs
- REL 4936 Key Figures in Religion and Cultural Studies or
- REL 4496 Key Concepts in Religion and Cultural Studies or
- PHI 3700 Philosophy of Religion

Cultural Studies 3 hrs
- HUM 4459 American Cultural Studies in Humanities or
- HUM 3805 Critical Theory in the Humanities or
- HUM 3262 Theories of Sex and Gender in Humanities or
- HUM 4823 Queer Theory in the Humanities or
- HUM 4826 Postcolonial Theory or
- PHI 4804 Critical Theory

 Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A ‘C’ (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Russian Studies - Minor
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
Email: History@ucf.edu
Dr. Vladimir Solonari
Dr. Alla Kourova
Phone: 407-823-6617

Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses

Language Classes 6 hrs
- RUS 2200 Intermediate Russian Language and Civilization I 3 hrs
- RUS 2201 Intermediate Russian Language and Civilization II 3 hrs

Restricted Electives 6 hrs
- EUH 4571 History of Russia to 1801 3 hrs
- EUH 4574 History of Russia: 1801-1917 3 hrs
- EUH 4576 History of Russia in the 20th Century 3 hrs
- EUH 4663 History of Communism in Europe 3 hrs

Government/Politics 3 hrs
- CPO 3614 Politics of Eastern Europe 3 hrs
- CPO 4643 Government and Politics of Russia 3 hrs
- PLA 4830 World Legal Systems 3 hrs
- POT 4414 Marxist Political Theory 3 hrs

Cultural 3 hrs
- LIT 3082 Continental European Fiction Since 1900 3 hrs
- LIT 3931 Topics in World Literature 3 hrs
- LIT 4233 Postcolonial Theory and Literature 3 hrs
- RUT 3505 Russian Culture and Civilization 3 hrs
- RUS 3955 Study Abroad 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18
Minors

Other Requirements
- A minimum GPA of 2.0 is required for all courses used to satisfy a minor.
- At least 12 hours used in the minor must be earned at UCF.
- Except for the foreign language requirement, no credit by exam may be used.
- Internship, Co-op, or Independent Study cannot be used toward the minor.

Science Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- A C- or better is required in these courses

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs
SCE 4361 Programs in Teaching Science 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- Recommended courses include: BSC 2010C, BSC 2011C, CHM 2045C, CHM 2046, PHY 2053C or PSC 1121
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses required for minor

Social Science Education - Minor
College of Education and Human Performance
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, Scott.Waring@ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, Janet.Andreasen@ucf.edu

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from a Florida College System or State University System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- A C- or better is required in these courses

EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
Students in Schools
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
SSE 4361 Social Science Instructional Analysis 3 hrs
SSE 4936 Programs in Teaching Social Science 3 hrs

Secure Computing and Networks - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@csucf.edu, 407-823-3327

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- 6 hrs
CIS 3360 Security in Computing 3 hrs
CIS 3362 Cryptography and Information Security 3 hrs

Restricted Electives (12 hrs)
- Elective Courses: Select any four courses from the following list.

Select 4: 12 hrs
COP 4600 Operating Systems or 3 hrs
EEL 4781 Computer Communication Networks 3 hrs
NTS 4703C Design and Implementation of Computer Communication Networks or 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

UNIVERSITY OF CENTRAL FLORIDA

396 Undergraduate Catalog 2015-2016
### sociology - Minor
#### college of sciences
**Department of Sociology,**
Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
Email: sociology@ucf.edu
Dr. Elizabeth E. Mustaine, libby@ucf.edu
Phone: 407-823-3744

#### Minor Admission Requirements

- The minor is not open to Sociology majors.

#### Minor Requirements

- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
- No more than 3 hours of independent study credit can be used toward the minor.

#### Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

#### Required Courses (3 hrs)

- SYG 2000  Introduction to Sociology  3 hrs

#### Restricted Electives (15 hrs)

- 2000-4000 level Sociology courses

#### Restricted Upper Division Electives (12 hrs)

- 3000-4000 level Sociology courses

#### Foreign Language Requirements

- None

### Spanish - Minor
#### College of Arts and Humanities
**Department of Modern Languages and Literatures,**
Colbourn Hall, Room: 519
http://mll.caah.ucf.edu/
Dr. Francisco J. Fernandez-Rubiera, Rubiera@ucf.edu

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (9 hrs)

- SPN 3300  Advanced Spanish Grammar and Composition  3 hrs
- SPN 3420  Spanish Composition  3 hrs
- 1 SPN 3760  Advanced Spanish Oral Communication  3 hrs

1 A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

#### Restricted Electives (9 hrs)

- Select three upper division Spanish language courses offered in the Department of Modern Languages.
- Approval of a departmental advisor is required prior to registration.

#### Foreign Language Requirements

- None

### Sport Business Management (SPB) - Minor
#### College of Business Administration
**DeVos Sport Business Management,**
Business Administration II, Room: 205
http://www.bus.ucf.edu/sportbusiness/?page=1689
Dr. Scott Bukstein, Program Coordinator for Sport Business Minor, scott.bukstein@ucf.edu, 407-823-1513

Open to Business and Non-Business majors. Minor will only be awarded at the time of degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses (18 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
- SPB 4304  Sports Event and Facility Management  3 hrs
- SPB 4804  Sport Business and Media  3 hrs
- GEB 4824  Business Law in Sport & Entertainment  3 hrs

#### Other Requirements

- SPB 3003 is the prerequisite for all other required courses in the minor.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- 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.
Minors

- 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 courses can count toward another major or minor
degree program.

Statistics - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Email: statistics@ucf.edu
Dr. David Nickerson, david.nickerson@ucf.edu
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Minor Requirements
- A minimum grade of "C" (2.0) is required in all courses
used to satisfy the minor.
- At least 15 hours used in the minor must be earned at
UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites
before enrolling in the class.

Required Courses (9 hrs)
- STA 4163  Statistical Methods II  3 hrs
- STA 4164  Statistical Methods III  3 hrs
- STA 2023  Statistical Methods I or 3 hrs
- 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 CAN NOT be used as a restricted
elective:
- STA 3032  Probability and Statistics for Engineers  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot
be used toward the minor.

Technical Education and Industry Training - Minor
College of Education and Human Performance
Department of Child, Family and Community Sciences,
Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
Dr. Jo Ann M. Whiteman, JoAnn.Whiteman@ucf.edu, 407-823-5305

The minor in Technical Education and Industry Training provides a
limited, but substantive experience in the area of technical education
and industry training of adults. The minor is not available to students
in the College of Education and Human Performance with the
exception of Sport and Exercise Science. The minor does not lead
to teacher certification or admission to the College of Education and
Human Performance. All courses are offered solely using the Web.
This minor is available for students in the 2003 catalog year and
beyond.

Minor Admission Requirements
- Minimum 2.5 overall GPA
- Complete the University General Education
requirements or its equivalent, i.e. an AA degree from
an approved Florida College System or State University
System institution.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- ADE 4382  Teaching Adult Learners in Technical
- ECT 4384  Advanced Teaching Techniques for Career
- ECT 3062  Professional Roles of the Career &
- ECT 3367  Evaluation of Career & Technical Education
- ECT 4184  Curriculum Development Techniques for
- ECT 4004  Principles and Practices of Technical

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 and Human Performance.

Technological Entrepreneurship - Minor
College of Business Administration
Department of Management,
Business Administration, Room: 309
http://www.cei.ucf.edu
Cameron Ford, cford@ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an
opportunity to blend technical expertise with broad entrepreneurial
thinking skills. This combination prepares students to create
technology and business model innovations that enrich society and
create wealth. This minor prepares students in engineering, science,
and other technology disciplines to create, enhance and manage
technology ventures, including projects developed within corporate
settings.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None
Required Courses (12 hrs)
ENT 4014 New Venture Implementation 3 hrs
GEB 4111 New Venture Finance 3 hrs
ENT 4183 Technological Entrepreneurship 3 hrs
Select 1
ENT 4013 New Venture Design 3 hrs
EGN 4641C Engineering Entrepreneurship 3 hrs
Restricted Electives (6 hrs)
Innovation Design or Research Sequence 6 hrs
- Any 6 credit hour sequence approved by the program coordinator in conjunction with faculty in a partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. The following examples of 6 hour course combinations for restricted electives are provided for illustrative purposes. Any 6 hour discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in conjunction with faculty in a partner discipline would satisfy this 6 hour elective requirement. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (ENG 4641C), Information Management and Entrepreneurship (DIG 3563), internships in small or technology-based companies, lecture series, or field of research courses that specifically address entrepreneurship or innovation.
BSEE, BSCPE: 6 hrs
- EEL 4914 Senior Design I and 3 hrs
- EEL 4915 Senior Design II 3 hrs
BSME: 6 hrs
- EML 4501C Engineering Design I and 3 hrs
- EML 4502C Engineering Design II 3 hrs
BSAE: 6 hrs
- EAS 4700C Aerospace Design I and 3 hrs
- EAS 4710C Aerospace Design II 3 hrs
Digital Media: 6 hrs
- DIG 4713 Game Design and 3 hrs
- DIG 4715C Game Production 3 hrs
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.

Terrorism Studies - Minor
College of Sciences
Department of Political Science,
Howard Phillips Hall, Room 302
http://www.cos.ucf.edu/politicalscience
Email: politics@ucf.edu
Dr. Paul Vasquez
Phone: 407-823-2608

Awareness of and knowledge about terrorism and counter-terrorism are increasingly essential in a variety of public and private sector organizations. Students in this minor will gain knowledge in competing ideologies that give rise to terrorism, coercive techniques in international affairs, global security management, and key aspects of American security policy. In addition to a core understanding of terrorism, the focus on a specific area of geographic or strategic interest will meet the market needs for individuals with substantive area knowledge. This minor program is available to students from varied disciplines to enhance their capability to address the threat of terrorism and understand how it might impact their own field.

Admission Requirements
- None
Minor Requirements
- A grade of “C” (2.0) or better is required in all courses counting towards the minor.
- At least 15 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion (for a maximum of 3 credit hours).
- No more than 3 credit hours may overlap with any other major or minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
DSC 4012 Terrorism 3 hrs
INR 4084 Politics of International Terrorism 3 hrs

Restricted Electives (12 hrs)
Select two from the following:

6 hrs
- INR 4335 Coercion in International Politics 3 hrs
- INR 3930H ST: Honors Terrorism from a Global Perspective 3 hrs
- COM 4416 Terrorism and Communication 3 hrs
- INR 4114 American Security Policy 3 hrs
- DSC 4013 Homeland Security and Criminal Justice 3 hrs
- INR 4364 The Intelligence Community 3 hrs
- CCI 4076 Crime Intelligence and Investigative Support Analysis 3 hrs
- CPO 3057 Contemporary Revolution and Political Violence 3 hrs
- INR 4764 Cyberwarfare Policy 3 hrs

Restricted Upper Division Electives (3000 level or above)
- Two classes focused on regional/issue area study.
- Classes to be chosen in consultation with the program director. Students are encouraged to propose course selections that are relevant to their expertise (e.g. computer science/cyber-warfare, physical sciences/bio-weapons proliferation by non-state actors) for approval by program director. The pairings below serve as examples only.

For Example:
- CPO 3403 Politics of the Middle East and 3 hrs
- ASH 3223 The Modern Middle East 3 hrs
- EAS 3223 The Modern Middle East 3 hrs
- ASH 3223 The Modern Middle East 3 hrs
- LAH 3400 History of Mexico and Central America and 3 hrs
- INR 4243 International Politics of Latin America and 3 hrs

Foreign Language Requirements
- None
Total Semester Hours Required
- 18
Other Requirements
- None

Theatre - Minor
College of Arts and Humanities
Department of Theatre,
Performing Arts Center, Room: T210A
http://theatre.cah.ucf.edu/
Email: theatre@ucf.edu
Phone: 407-823-2682

Minor Admission Requirements
- Email the following application materials to theatre@ucf.edu:
- A statement of why you want to become a Theatre Minor
Minors

- A course history list (including grades) of theatre courses completed at UCF or any other university
- A completed UCF Theatre Department Student Information Form (found on our website)

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (12 hrs)**

1. THE 2000 Theatre Survey 3 hrs
2. THE 3006 Greece to Grease: Development of Theatre 3 hrs
3. TTP 2110C Acting I - Introduction 3 hrs
4. TPA 2200 Introduction to Technical Theatre 2 hrs
5. TPA 2990L Theatre Participation-Production I 1 hr

1. Can substitute TPP 2185 Acting for Non-Majors or any Acting Class
2. Can substitute any Stagecraft Class.

**Restricted Electives (6 hrs)**

- Any DAA, DAN, THE, TPA, or TPP course taught by the Theatre Department and not already applied toward a program requirement. Independent Study, Undergraduate Research and Honors in the Major courses taught by the Department of Theatre can also be used as electives. Exceptions must be approved by the Theatre Department Undergraduate Coordinator.

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 18

**Other Requirements**

- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours used toward the minor must be earned from the UCF Theatre Department. Transfer credits are allowed, but student must still complete 12 credits from UCF Theatre Department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.
- Students are encouraged to consult the theatre minor advisor with questions regarding course selection and electives.

**Urban and Regional Planning - Minor**

**College of Health and Public Affairs**

**School of Public Administration**, Health and Public Affairs II, Room: 238

[http://www.cohpa.ucf.edu/publicadmin](http://www.cohpa.ucf.edu/publicadmin)

Dr. Christopher Hawkins, christopher.hawkins@ucf.edu

Phone: 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

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses (21 hrs)**

1. PAD 3330 Urban and Regional Planning 3 hrs
2. PAD 4712 Information Systems for Public Managers and Planners 3 hrs
3. PAD 4331 Land Use and Planning 3 hrs
4. PAD 4334 Urban Design 3 hrs
5. PAD 4253 Community & Economic Development 3 hrs
6. PAD 4351 Issues in Environmental Program Management 3 hrs
7. PAD 4803 Issues in Urban Administration 3 hrs

**Restricted Electives**

**Suggested Courses**

- Students in the Minor program are strongly encouraged to take the following courses as electives to enhance their understanding of the field.

1. PAD 4822 Intergovernmental Administration 3 hrs
2. PAD 4390 Hazard Mitigation and Preparedness 3 hrs
3. PAD 4392 Emergency Management and Homeland Security 3 hrs

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 21

**Other Requirements**

- A minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 15 hours used to satisfy the minor must be earned at UCF within the department.
- Internship or Independent Study credit cannot be used toward the minor.
- No credit by exam (TSD, Military credit) may be used.

**Women's and Gender Studies - Minor**

**College of Arts and Humanities**

**Program in Women's Studies, Colbourn Hall, Room: 118**

[http://womensst@ucf.edu](http://womensst@ucf.edu)

**Email: womenst@ucf.edu**

Dr. M.C. Santana, 407-823-6502

Phone: 407-823-6502

The Women's and Gender Studies minor emphasizes intersectional approaches to the study of gender, race, class, ethnicity, and sexuality in national and transnational contexts. Course offerings examine social constructions of sex and gender and provide students with an opportunity to learn about women's historical and contemporary roles gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from various departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theater, and the Women's Studies Program. Subcategories of focus include feminist theories, girl studies, queer studies, and global and transnational issues.

**Minor Admission Requirements**

- None

**Minor Requirements**

- Students cannot earn both the minor in Women's and Gender Studies and the Certificate on Gender Studies.

**Prerequisite Courses**

- None

**Required Courses (12 hrs)**

1. WST 3015 Introduction to Women's Studies 3 hrs
2. WST 3603 Introduction to Gender Studies 3 hrs
### World Comparative Studies - Minor

**College of Undergraduate Studies**  
**Office of Interdisciplinary Studies,**  
**Classroom I, Room: 302**  
[http://www.is.ucf.edu](http://www.is.ucf.edu)  
**Email:** is@ucf.edu  
**Phone:** 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major. All students must engage in an approved international experience. The language proficiency requirement must also be met.

#### Minor Admission Requirements

- **None**

#### Minor Requirements

- **None**

#### Prerequisite Courses

- **None**

#### Required Courses

- **3 hrs**  
  - IDS 3333 World Comparative Studies

#### Restricted Electives

- **15 hrs**  
  - **Thematic Concentrations:** Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor without permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

#### Language and Culture

- **Regional courses:** Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
  - AML 3615 Harlem, Haiti, and Havana  
  - ANT 3145 Archaeology of Complex Societies  
  - ANT 3319 Slavery, Resistance, and Cultural Dynamics Among African People in the Americas  
  - ANT 3212 Peoples of the World  
  - ANT 4702 Culture, Inequality and Global Development  
  - ECO 3703 International Microeconomics  
  - ECS 4013 Development Economics  
  - ECO 4713 International Macroeconomics  
  - ECP 3302 Economics and the Environment  
  - ECP 3304 Economics and the Environment  
  - HFT 3866 History and Culture of Wine  
  - HFT 4894 International Gastronomy  
  - REL 3363 Islam  
  - HFT 4894 International Gastronomy  

#### Economics

- **ANT 4702 Culture, Inequality and Global Development**  
- **ECO 3703 International Microeconomics**  
- **ECO 4713 International Macroeconomics**  
- **ECS 4013 Development Economics**  
- **ECP 3302 Economics and the Environment**  
- **HFT 3700 Tourism Management**  
- **INR 4035 International Political Economy**

#### 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.**

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### Minor Requirements

**Restricted Electives (15 hrs)**

- **Select two courses from the Theories Group, one of which must be a WST prefixed course.**
  - WST 3522 First and Second Wave Feminisms or 3 hrs  
  - WST 3561 Third Wave Feminisms or 3 hrs  
  - WST 3621 Theories of Masculinity or 3 hrs  
  - WST 4415 Global and Transnational Feminism or 3 hrs  
  - LIT 4554 Advanced Feminist Theories or 3 hrs  
  - Phm 3123 Feminist Theories or 3 hrs  
  - WST 3020 Girls Studies or 3 hrs  
  - WST 3460 Women, Race and Struggle or 3 hrs  
  - HUM 4823 Queer Theory in the Humanities or 3 hrs  
  - HUM 3326 Theories of Sex and Gender in Humanities or 3 hrs

- **Select 2: 6 hrs**
  - WST 3371 Women and Leadership 3 hrs
  - WST 3500 Gender Issues and Community Activism 3 hrs
  - WST 4002 Research in Women and Gender Studies 3 hrs
  - WST 4021 Girls Leadership 3 hrs
  - WST 4349 Ecofeminism 3 hrs
  - WST 4023 Virtual Girls 3 hrs
  - WST 4022 Girls and the Body 3 hrs

**Women’s History**

- AMH 3561 Women in American History I 3 hrs
- AMH 3562 Women in American History II 3 hrs
- ASH 4304 Women in China 3 hrs
- EIU 4610 Women in European Society: From Medieval to Modern 3 hrs
- AMH 4680 Women in American Science 3 hrs
- JST 3510 Notable Women in Jewish History 3 hrs

**Representations of Women**

- AML 3283 Contemporary American Women’s Fiction 3 hrs
- ARH 4871 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3822 Hispanic Women Writers 3 hrs
- Phm 3022 Sexuality, Gender & Philosophy 3 hrs
- LIT 3381 Women Writers of Color 3 hrs
- ENC 4374 Gendered Rhetorics 3 hrs
- THE 3272 What a Drag: The Art of Transgender in Entertainment 3 hrs

**Men’s Wellness**

- CLP 3184 Women’s Mental Health 3 hrs
- NSP 4425 Women’s Health Issues 3 hrs
- SOP 3742 Psychology of Women 3 hrs

**Gender and Social Policy**

- ANT 3302 Sex, Gender and Culture 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- INR 4085 Women, Gender, and Globalization 3 hrs
- PUP 332B Women and Public Policy 3 hrs
- SYD 4100 Family Trends 3 hrs
- SYD 3800 Sex and Gender in Society 3 hrs
- PHI 3629 Family Values 3 hrs
- Phm 3020 Philosophy of Love 3 hrs

**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.

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**UNIVERSITY OF CENTRAL FLORIDA**  
401 Undergraduate Catalog 2015-2016
Minors

Biological and Geophysical Environment

- IDS 3150 Foundations of Environmental Studies 3 hrs
- ECP 3302 Economics and the Environment 3 hrs
- SYD 4510 Environment and Society 3 hrs
- HFT 4735 Tourism Geography 3 hrs
- INR 4351 International Environmental Law 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- GIS 3043C GIS for Environmental Studies 3 hrs
- PHI 3333 Philosophy, Religion, and the Environment 3 hrs
- PHI 3640 Environmental Ethics 3 hrs

Social Structure and Change

- ANT 3145 Archaeology of Complex Societies 3 hrs
- ANT 3273 Law and Culture 3 hrs
- ANT 4702 Culture, Inequality and Global Development 3 hrs
- PLA 4830 World Legal Systems 3 hrs
- SYP 4454 Global Inequality and Society 3 hrs

Media and Communication

- FIL 3845 World Cinema Traditions 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- LIN 4643 Cross Cultural Communication 3 hrs
- THE 4212 Global Theatre 3 hrs
- FIL 3842 International Cinema 3 hrs

World Independent Specialization

- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements

- Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required

- 18

Other Requirements

- A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.

World Languages Education - English for Speakers of Other Languages (ESOL) - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership

Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

World Languages Education - English for Speakers of Other Languages (ESOL) Education minor is intended for College of Education and Human Performance students in undergraduate initial certification programs. The World Languages Education - ESOL minor is intended for Education majors and is well suited for College of Education and Human Performance students majoring in secondary content areas. Students who successfully complete this minor can expect to increase their marketability in educational professions that serve English learners. This minor is designed to promote student success in Pre-K through 12 instructional settings but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Admission Requirements

- Minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or the equivalent i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements

- Students should see an advisor prior to registering for classes. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

- None

Required Courses (18 hrs)

- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
- TSL 4943 L2 Academic Language Instruction 3 hrs
- TSL 4942 ESOL Field Experience 3 hrs

Select 1:

- TSL 4240 Issues in Second Language Acquisition or 3 hrs
- TSL 4945 ESOL Clinical Experience 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- None

World Languages Education - Languages Other Than English (LOTE) - Minor

College of Education and Human Performance

School of Teaching, Learning, and Leadership, Education Complex, Room: 220L

http://education.ucf.edu/language

Dr. Karen Verkler, Karen.Verkler@ucf.edu, 407-823-5235

The World Languages Education - Languages Other Than English (LOTE) minor is intended for non-World Languages Education - Languages Other Than English (LOTE) majors. It is well suited for College of Education and Human Performance students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education and Human Performance (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education and Human Performance.

Minor Admission Requirements

- Minimum 2.5 overall GPA.
- Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from a Florida College System or State University System institution.

Minor Requirements

- Students should see an advisor prior to registering for classes. Students must complete 18 hrs of language courses as co-requisites. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses

- None

Education Complex, Room: 220L

http://education.ucf.edu/language
### Minors

**Writing and Rhetoric - Minor**

**College of Arts and Humanities**

**Department of Writing and Rhetoric**

**Colbourn Hall, Room: 301 B**  

Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057  
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349

The Minor in Writing and Rhetoric will provide students with the in-depth study and practice of writing and rhetoric. The curriculum emphasizes civic, professional, and digital writing.

#### Minor Admission Requirements

**Transfer Notes**

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

**Minor Requirements**

- Students should consult with a department advisor.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

**Prerequisite Courses**

- None

#### Required Courses (3 hrs)

- ENC 3331 Rhetoric and Civic Engagement 3 hrs

#### Restricted Electives (15 hrs)

**Theories and Histories of Writing, Rhetoric, and Literacy**

- Students must take at least one course from the following:
  - ENC 3373 Cultural Rhetorics 3 hrs
  - ENC 4307 Gendered Rhetorics 3 hrs
  - ENC 3521 Writing Across Difference 3 hrs
  - ENC 3417 Literacy and Technology 3 hrs
  - ENC 3503 Topics in Writing & Literacy Studies 3 hrs
  - ENC 4434 Visual and Material Rhetorics 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs

**Applications of Writing and Rhetoric**

- Students must take at least two courses from the following two groups. Students can take one course from each group or two courses from one of the groups.

  **Civic Rhetoric and Writing**
  - ENC 3311 Essay as Cultural Commentary 3 hrs
  - ENC 4353 Writing for Social Change 3 hrs
  - ENC 3375 Rhetoric in Popular Culture 3 hrs
  - ENC 4354 Writing with Communities and Nonprofits 3 hrs
  - ENC 3372 Topics in Civic Rhetoric and Writing 3 hrs
  - ENC 4378 Writing in Global and Transnational Contexts 3 hrs

  **Professional and Digital Writing**
  - ENC 3250 Professional Writing 3 hrs
  - ENC 4212 Professional Editing 3 hrs
  - ENC 3453 Writing About Health and Medicine 3 hrs
  - ENC 3455 Writing about Science and Technology 3 hrs
  - ENC 3454 Topics in Professional and Digital Writing 3 hrs
  - ENC 3473 Writing in Disciplinary Cultures 3 hrs
  - ENC 3351 Writing for Publication 3 hrs
  - ENC 4416 Writing in Digital Environments 3 hrs
  - ENC 3333 Marketing Your Writing 3 hrs
  - ENC 3333 Multimedia Writing and Composition 3 hrs
  - ENC 4275 Theory and Practice of Tutoring Writing 3 hrs

### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

**Other Requirements**

- Students must complete an electronic writing portfolio (ENC 4950) approved by the program director or advisor.
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used to satisfy the minor must be taken from the Department of Writing and Rhetoric at UCF.
In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This Certificate provides students with opportunities to gain knowledge and skills to work effectively with older adults in a variety of settings. The Certificate allows UCF students in any major interested in health to pursue this educational focus.

Certificate Admission Requirements

- None

Certificate Requirements

- A required internship, along with course options that include service-learning activities, complements the web-based courses.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses

- None

Required Courses (6 hrs)

- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs

Required Internship: (Select one) 3 hrs

1 SOW 4510 Field Education 9 hrs
2 SOW 4941 Internship 9 hrs
HSA 4941 Internship 9 hrs
PSY 3951 Undergraduate Field Work 3 hrs
SYP 4941 Internship 3 hrs

1 Full-time social work majors ONLY. Cannot be used with SOW 4941.
2 Part-time social work majors over two semesters ONLY. Cannot be used with SOW 4510.

Restricted Electives (9 hrs)

- Students select three additional courses from the following list: A maximum of two courses must be taken in the College of Health and Public Affairs and at least one course must be taken from other colleges.

College of Health and Public Affairs (6 hrs)

- HSA 4220 Long Term Care and Administration 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs

Other Colleges (3 hrs)

- DEP 3464 Psychology of Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
1 GEY 5007 Women and Healthy Aging 3 hrs
SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum grade of “C” (2.0) required in each course used to satisfy the certificate
- At least 12 hours used in the certificate must be earned at UCF within the department
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the certificate

Anthropology of Global Health - Certificate

Department of Anthropology
http://www.cos.ucf.edu/anthropology

Contact Information:
Dr. Joanna Mishal
Phone: 407-823-2227

This Certificate offers students the opportunity to pursue the rapidly growing field of global health from an anthropological perspective, which examines global health problems by situating them in local contexts. Global health issues such as refugee health, global mental health, and emergent “superbugs” (e.g., Ebola), are of increasing concern and interest. Health is also the focus of the work of numerous public, private, non-governmental and non-profit organizations in the U.S. and abroad. This Certificate allows UCF students in any major interested in health to pursue this educational focus.

Admission Requirements

- None

Certificate Requirements

- A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
- At least 12 hours used toward the certificate must be earned at UCF.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

Prerequisite Courses

- None

Required Courses (6 hrs)

- Students must satisfy the prerequisites, if any, for each course before enrolling in the class.

- ANT 4480 Global Health in Anthropological Perspective 3 hrs

Choose one of the following:

1 ANT 4408 Culture, Disease, and Healing 3 hrs
2 INR 2002 International Relations-Theory and Practice 3 hrs

Restricted Electives (9 hrs)

- Students select three additional courses from the following list:

  College of Health and Public Affairs

- ANT 4408 Culture, Disease, and Healing 3 hrs
- HSA 3012 Issues & Trends in Public Health 3 hrs
- HSC 4562 Health Law and Ethics 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- INR 4088 Global Perspectives 3 hrs
- INR 4031 Global Political Issues 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4350 Global Environmental Politics 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4011 Politics of Globalization 3 hrs

- GEO 3471 World Political Geography 3 hrs
- HSA 3012 Issues & Trends in Public Health 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- HSC 4201 Community Health 3 hrs
- INR 4008 Global Perspectives 3 hrs
- INR 3016 Global Political Issues 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4350 Global Environmental Politics 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4011 Politics of Globalization 3 hrs

Contact Information:
Dr. Joanna Mishal
Phone: 407-823-2227

The Anthropology of Global Health Certificate offers students the opportunity to pursue the rapidly growing field of global health from an anthropological perspective, which examines global health problems by situating them in local contexts. Global health issues such as refugee health, global mental health, and emergent “superbugs” (e.g., Ebola), are of increasing concern and interest. Health is also the focus of the work of numerous public, private, non-governmental and non-profit organizations in the U.S. and abroad. This Certificate allows UCF students in any major interested in health to pursue this educational focus.

Admission Requirements

- None

Certificate Requirements

- A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
- At least 12 hours used toward the certificate must be earned at UCF.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

Prerequisite Courses

- None

Required Courses (6 hrs)

- Students must satisfy the prerequisites, if any, for each course before enrolling in the class.

- ANT 4480 Global Health in Anthropological Perspective 3 hrs

Choose one of the following:

1 ANT 4408 Culture, Disease, and Healing 3 hrs
2 INR 2002 International Relations-Theory and Practice 3 hrs

Restricted Electives (9 hrs)

- Students select three additional courses from the following list:

  Department of Anthropology

- ANT 4408 Culture, Disease, and Healing 3 hrs
- HSC 4562 Health Law and Ethics 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- INR 4088 Global Perspectives 3 hrs
- INR 4031 Global Political Issues 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4350 Global Environmental Politics 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4011 Politics of Globalization 3 hrs

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Dr. Joanna Mishal
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Admission Requirements

- None

Certificate Requirements

- A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
- At least 12 hours used toward the certificate must be earned at UCF.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

Prerequisite Courses

- None

Required Courses (6 hrs)

- Students must satisfy the prerequisites, if any, for each course before enrolling in the class.

- ANT 4480 Global Health in Anthropological Perspective 3 hrs

Choose one of the following:

1 ANT 4408 Culture, Disease, and Healing 3 hrs
2 INR 2002 International Relations-Theory and Practice 3 hrs

Restricted Electives (9 hrs)

- Students select three additional courses from the following list:

  Department of Anthropology

- ANT 4408 Culture, Disease, and Healing 3 hrs
- HSC 4562 Health Law and Ethics 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- INR 4088 Global Perspectives 3 hrs
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- INR 4076 Global Drug Policy 3 hrs
- INR 4350 Global Environmental Politics 3 hrs
- INR 4075 Human Rights Policy 3 hrs
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Contact Information:
Dr. Joanna Mishal
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Admission Requirements

- None

Certificate Requirements

- A minimum overall 2.0 GPA is required in courses used to satisfy requirement.
- At least 12 hours used toward the certificate must be earned at UCF.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the required Anthropology Major courses.

Prerequisite Courses

- None

Required Courses (6 hrs)

- Students must satisfy the prerequisites, if any, for each course before enrolling in the class.

- ANT 4480 Global Health in Anthropological Perspective 3 hrs

Choose one of the following:

1 ANT 4408 Culture, Disease, and Healing 3 hrs
2 INR 2002 International Relations-Theory and Practice 3 hrs

Restricted Electives (9 hrs)

- Students select three additional courses from the following list:

  Department of Anthropology

- ANT 4408 Culture, Disease, and Healing 3 hrs
- HSC 4562 Health Law and Ethics 3 hrs
- HSC 4652 Health Law and Ethics 3 hrs
- INR 4088 Global Perspectives 3 hrs
- INR 4031 Global Political Issues 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4350 Global Environmental Politics 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4011 Politics of Globalization 3 hrs

Contact Information:
Dr. Joanna Mishal
Phone: 407-823-2227

The Anth
Certificates

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology,
Psychology Building, Room: 301
http://psychology.cos.ucf.edu
Email: kmottare@ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (12 hrs)
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYG 2000 Introduction to Sociology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Take all of the following: 6 hrs

- Complete both:
  - PSY 2012 General Psychology
  - SYG 2000 Introduction to Sociology

Take all of the following: 6 hrs

- Complete both classes:
  - PPE 3003 Personality Theory and Research and
  - SYP 3510 Sociology of Deviant Behavior

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected

Psychology: Select from the following: 3 hrs
- CLP 3143 Abnormal Psychology
- CLP 3302 Clinical Psychology
- CLP 4134 Childhood Psychopathology
- PCO 4203C Interviewing and Counseling

Sociology: Select from the following: 6 hrs
- SYP 3511 Sociology of Murder
- SYP 3530 Juvenile Delinquency
- SYP 3540 Sociology of Law
- SYP 3562 Patterns of Domestic Violence in Society
- SYP 4514 Patterns of Violence in Society
- SYP 4521 Crime Victims in Society

Criminal Justice: Select from the following: 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice
- CJE 4630 Serial Murder and Criminal Justice
- CCJ 3014 Crime in America
- CCJ 3024 Criminal Justice System
- CCJ 3667 Victims and the CJ System
- CCJ 4670 Women and Crime
- CCJ 4681 Domestic Violence and the Justice System

Children’s Services - Certificate
College of Health and Public Affairs
School of Social Work,
Health and Public Affairs I, Room: 204
Email: socialwk@ucf.edu
BSW Coordinator
Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about practice considerations in providing services to children and families. Students are prepared to identify a variety of problems such as child abuse, neglect, childhood trauma, and family dynamics essential for identifying service delivery to this population. The certificate includes both classroom academic work and a specialized field internship. This certificate assists in improving services to children and their families. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- Must be a BSW major.

Certificate Requirements
- Placement in an agency that serves children.
- Students need to discuss their interest in the certificate with the field office when BSW placements are being arranged.

Required Courses (18 hrs)
- SOW 3352 Practice II: Interpersonal Skills in Social Work:
  - SOW 4654 Children’s Services
  - SOW 4650 Child Abuse: Treatment and Prevention

Select 1: 9 hrs
- 1 SOW 4510 Field Education or
- 2 SOW 4941 Internship

1 (for full-time students ONLY)
2 (for part-time students over two semesters)
Certificates

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- None

**Crime Analysis and Crime Mapping - Certificate**
**College of Health and Public Affairs**
**Department of Criminal Justice, Health and Public Affairs I, Room: 311**
**Email: cjadvise@ucf.edu**
**R. Cory Watkins, 407-823-2603**

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects.

Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- Students are required to take courses as specified below and to declare the Certificate.

**Prerequisite Courses**
- There are no certificate program prerequisites; however individual courses may have prerequisites.

**Required Courses**
- **(9 hrs)**
  - CJE 3662 CJ Information Technology and Data Management
  - CJE 4663 Crime Mapping and Pattern Analysis
  - CCJ 4076 Crime Intelligence and Investigative Support Analysis

**Restricted Electives**
- **(6 hrs)**
  - Select two of the following:
    - CJE 3451 Justice System Technology
    - CJE 3444 Crime Prevention
    - CJE 4654 Crime and Place
    - CCJ 3450 The Criminal Justice Manager
    - CJE 4352 Policy Development in Law Enforcement
    - CJE 4572 Justice Agency Operations

**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**
**College of Sciences**
**Department of Criminal Justice, Health and Public Affairs I, Room: 311**
**Department of Anthropology, Phillips Hall, Room: 403**
**Dr. John Schultz, jschultz@ucf.edu, 407-823-2618**
**Dr. Mark Winton, cjadvise@ucf.edu, 407-823-2603**

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**
- **(12 hrs)**
  - Note: some courses have limited offerings, and should be taken when available.
    - ANT 4183 Archaeological Sciences
    - ANT 4521 Forensic Anthropology
    - CJE 4012 Criminal Profiling in Criminal Justice
    - CJE 4610 Criminal Investigation

**Restricted Electives**
- **(3 hrs)**
  - Select from the following courses:
    - ANT 3115 Archaeological Method and Theory
    - CCJ 4195 Interviews & Interrogations in CJ
    - CHS 3501 Introduction to Forensic Science
    - CJE 4630 Serial Murder and Criminal Justice
    - SYP 3511 Sociology of Murder

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- Course substitutions must be approved by both departments in advance.

**Criminal Profiling - Certificate**
**College of Health and Public Affairs**
**Department of Criminal Justice, Health and Public Affairs I, Room: 311**
**Mark Winton, cjadvise@ucf.edu, 407-823-2603**

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today’s law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for
which profiling is most useful. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements
- None

### Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

### Prerequisite Courses
- There are no certificate program prerequisites; however, individual courses may have prerequisites.

#### Required Courses (12 hrs)
- **ANT 4303** Anthropology of Tourism  3 hrs
- **HFT 4735** Tourism Geography  3 hrs
- **HFT 3700** Tourism Management  3 hrs
- **HFT 3540** Guest Services Management I  3 hrs
- **CJE 4610** Criminal Investigation  3 hrs
- **CCJ 4195** Interviews & Interrogations in CJ  3 hrs

#### Restricted Electives (3 hrs)
- Select one of the following:
  - **DSC 4012** Terrorism  3 hrs
  - **CJE 4610** Criminal Investigation  3 hrs
  - **CCJ 4195** Interviews & Interrogations in CJ  3 hrs

### Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

---

### Cultural Tourism - Certificate

**College of Undergraduate Studies**

**Office of Interdisciplinary Studies,**

**Classroom I, Room: 302**

[http://www.is.ucf.edu](http://www.is.ucf.edu)

**Email:** is@ucf.edu

**Phone:** 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American. This certificate is open to any student 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
- None

#### Prerequisite Courses
- None

#### Required Courses (12 hrs)
- **HFT 3540** Guest Services Management I  3 hrs
- **HFT 3700** Tourism Management  3 hrs
- **HFT 4735** Tourism Geography  3 hrs
- **ANT 4303** Anthropology of Tourism  3 hrs

#### Restricted Electives (6 hrs)
- Choose two classes from one of the following areas:
  - **AFA 3104** The Black Intellectual Experience  3 hrs
  - **AFA 4105** Documenting Africana Heritage and Life  3 hrs
  - **SYD 3700** Race and Ethnicity  3 hrs

---

### Diplomacy - Certificate

**College of Sciences**

**College of Arts and Humanities**

**Department of Political Science,**

**Howard Phillips Hall, Room: 302**


**Dr. R. Handberg, Roger.Handberg@ucf.edu, 407-823-2608**

**Dr. J. Sacher, John.Sacher@ucf.edu, 407-823-5501**

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

#### 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.
### Educational Studies - Certificate

**College of Education and Human Performance**  
School of Teaching, Learning, and Leadership,  
Education Building, Room: 220B  
[http://education.ucf.edu/edcert](http://education.ucf.edu/edcert)  
**Email:** wwise@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 and Human Performance 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 and Human Performance. An Education minor that includes a sixth course is also an option for students who choose not to pursue the Educational Studies Certificate. This certificate is available for students in the 2007 catalog year and beyond.

#### Certificate Admission Requirements
- None

#### Required Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INR 4030</td>
<td>Diplomacy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 4513</td>
<td>United States as a Great Power: 1945-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4102</td>
<td>American Foreign Policy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Required Electives
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<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>
</tbody>
</table>

#### Restricted Electives
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4634</td>
<td>Programs in Teaching of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4656</td>
<td>Programs in Teaching Social Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Survey of Adolescent Literature</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 15

#### Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

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### Engineering Leadership - Certificate

**College of Engineering and Computer Science**  
Dr. Timothy Kotnour, Timothy.Kotnour@ucf.edu, 407-823-5645

Provides a knowledge base in technical leadership and management principles and practices in a technical environment. This certificate is designed to enhance the student's marketability, preparation and career viability as they enter the engineering and computer science professions.

#### Admission Requirements
- Students must have a declared Computer Science or Engineering major. Not open to students in engineering pending majors.

#### Certificate Requirements
- None

#### Required Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 4950</td>
<td>Engineering Leadership Capstone</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Required Electives
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGS 3030</td>
<td>Leadership in Engineering I</td>
<td>0 hrs</td>
</tr>
<tr>
<td>EGS 3031</td>
<td>Leadership in Engineering II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>EGS 4950</td>
<td>Engineering Leadership Capstone</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Pick 2 of the following courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 4183</td>
<td>Technological Entrepreneurship</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGS 4624</td>
<td>Engineering Innovation and Leadership</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3391</td>
<td>Professional Selling</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Engineering Leadership Capstone
Entrepreneurship - Certificate
College of Business Administration
Department of Management
Business Administration I, Room 309

Entrepreneurial thinking skills that help individuals recognize opportunities, organize resources, and implement plans are essential to launching new companies and innovative corporate ventures. The entrepreneurship certificate provides students with an interdisciplinary, experiential opportunity to learn how to develop and launch new ventures in a variety of industry settings. The certificate requires students to be admitted into a selective two-course New Venture Development cohort program that engages interdisciplinary teams in the process of designing and launching a new venture. The certificate is open to students in any discipline who are interested in innovation and new venture startup processes.

Admission Requirements
■ Admission by Management Department approval.
Requires submission of application. Department committee will select cohorts of approximately 40 participants based on the application and interviews.

Certificate Requirements
■ No course grade lower than a “C” (2.0) in the required or elective courses.

Prerequisite Courses
■ None

Required Courses (12 hrs)
ENT 4013 New Venture Design 3 hrs
ENT 4014 New Venture Implementation 3 hrs

Select 2: 6 hrs
ENT 3613 Creativity and Entrepreneurship 3 hrs
ENT 4183 Technological Entrepreneurship 3 hrs
ENT 4503 Social Entrepreneurship 3 hrs
GEB 4111 New Venture Finance 3 hrs
MAR 3765 Entrepreneurial Marketing 3 hrs
ENT 4014 New Venture Implementation 3 hrs

1 Internships must be in collaboration with a local startup, small business, or entrepreneurship support organization. Internship packets are available in the Management Department (309 BA1).

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 12

Other Requirements
■ None

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

Prerequisite Courses
■ None

Required Courses (12 hrs)
FIN 4324 Commercial Bank Management 3 hrs
ACG 3131 Intermediate Financial Accounting I 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs

Select 1: 3 hrs
MAR 3391 Professional Selling or
FIN 4941 Finance Internship 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

Prerequisite Courses
■ None

Required Courses (12 hrs)
ACG 3131 Intermediate Financial Accounting I 3 hrs
FIN 3414 Intermediate Corporate Finance 3 hrs
FIN 4941 Finance Internship 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

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

Prerequisite Courses
■ None

Required Courses (12 hrs)
ACG 3131 Intermediate Financial Accounting I 3 hrs
FIN 4941 Finance Internship 3 hrs
ACG 3141 Intermediate Financial Accounting II 3 hrs
Certificates

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

Required Courses

None

Restricted Electives

None

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” (2.0) or better is required in each course used to satisfy the Gender Studies Certificate.
- At least 9 hours used in the certificate must be earned at UCF.

Health Communication - Certificate

College of Sciences

Nicholson School of Communication

Email: nassc@ucf.edu

Phone: 407-823-2681

The certificate in health communication has a dual focus: 1) it is designed to provide students in health-related fields training in facilitating health communication processes; 2) it allows communication students to demonstrate that they have conceptual and applied knowledge about the role of communication in health care.

Admission Requirements

None

Certificate Requirements

- Certificates will be awarded only at the time of degree completion.

Prerequisite Courses

- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor. Exceptions are identified below.

Required Courses (12 hrs)

- COM 3022 Health Communication 3 hrs
- COM 4550 Health Communication Campaigns 3 hrs
- MMC 2004 Mass Media 3 hrs
- PUR 4000 Public Relations 3 hrs

Restricted Electives (3 hrs)

Choose from the following:

- ANT 4408 Culture, Disease, and Healing 3 hrs
- ANT 4402 Medical Anthropology 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- HSA 3012 Issues & Trends in Public Health 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 4201 Community Health 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs
- SPC 4540 Persuasion and Communication 3 hrs

Foreign Language Requirements

None

Total Semester Hours Required

15

Other Requirements

- No more than three credit hours from the Health Communication Certificate may be used to satisfy internal restricted electives of the Human Communication (formerly Interpersonal-Organizational) major.
- Communication majors must take their elective outside of the school of communication.

Human Biology - Certificate

College of Sciences

Department of Anthropology

http://cos.ucf.edu/anthropology

Department of Biology

http://cos.ucf.edu/biology

Dr. John Schultz, John.Schultz@ucf.edu

The Human Biology certificate blends biological anthropology with a foundation in anatomy and the biological sciences. The minor is
Certificates

especially appropriate for anthropology, biology, and biomedical sciences students seeking an enhanced and interdisciplinary foundation in human biology.

Certificates will be awarded only at the time of degree completion.

Admission Requirements
- None
- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Students must select and meet with a certificate advisor in either the Anthropology or Biology department.

Certificate Requirements
- None

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- Required Courses (7 hrs)
  - ANT 2511 The Human Species 3 hrs
  - BSC 2010C Biology I 4 hrs

Restricted Electives
- Restricted Electives Group A (12 hrs)
  - Anthropology majors must select courses from Restricted Electives Group A.
  - Biology majors must select courses from Restricted Electives Group B.
  - Biomedical Sciences majors must select courses from Restricted Electives Group C.

Restricted Electives Group A:
- Anthropology Majors select four courses from the list below:
  - BSC 2011C Biology II 4 hrs
  - PCB 3044 Principles of Ecology 3 hrs
  - PCB 3063 Genetics 3 hrs
  - PCB 3703C Human Physiology 4 hrs
  - ZOO 3701C Human Gross Anatomy & Dissection Techniques 3 hrs
  - ZOO 3733C Human Anatomy 4 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs

Restricted Electives Group B:
- Biology Majors select four courses from the list below:
  - ANT 3115 Archaeological Method and Theory 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4586C Human Origins 3 hrs

Restricted Electives Group C:
- Biomedical Sciences Majors select four courses from the list below:
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3550C Primatology 3 hrs
  - ANT 4027 Mummies, Life After Death 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs
  - ANT 4467 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4586C Human Origins 3 hrs
  - PCB 4683 Evolutionary Biology 4 hrs
  - ZOO 4513 Animal Behavior 3 hrs
  - ZOO 3713C Comparative Vertebrate Anatomy 5 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSO, Military credit) may be used.
- Internship, research, or Independent Study credit can be used to replace one restricted elective course with approval from a certificate advisor.
- Majors other than Anthropology, Biology, or Biomedical Sciences may earn The Human Biology Certificate but must select courses with a certificate advisor.
- One course substitution for the Human Biology Certificate will only be allowed with prior approval from a certificate advisor.

Judaic Studies - Certificate

Program in Judaic Studies, College of Arts and Humanities

http://www.judaicstudies.cah.ucf.edu

Email: judaicst@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 the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- 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 Jewish People in Antiquity 3 hrs
  - JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
  - JST 3481 20th Century Jewish History and Thought 3 hrs
  - JST 3701 History of the Holocaust 3 hrs
  - JST 3415 American Jewish History 3 hrs
  - JST 3417 Sephardi Jews: History, Culture, and Folklore 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
  - JST 3424 Biblical Archaeology 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
  - JST 3803 The Israeli Experience in Short Stories 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

Undergraduate Catalog 2015-2016
Certificates

Culture
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs
- JST 3551 The Holy and the Profane: The Introduction of Secularism into Modern Judaism 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs

Other courses, including special topics, with the approval of the Director

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Hebrew qualifies for Foreign Language requirement.

Language Development and Disorders - Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders,
Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring or minoring in Communication Sciences and Disorders 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
- LIN 3716 Language Development 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- LIN 3713 Language Science 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.

Leadership Studies - Certificate
College of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
Email: is@ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses
- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- MAN 3025 Management of Organizations 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 3723 Cross Cultural Psychology 3 hrs
- SPC 3742 Psychology of Women 3 hrs
- SPC 3784 Psychology of Diversity 3 hrs
- PAD 3040 Ethics and Values in Public Administration or PUP 3325 Women and Political Behavior 3 hrs

Ethics
- BUL 3130 Legal and Ethical Environment of Business or EDF 3601 Professional Ethics in Education or PAD 3040 Ethics and Values in Public Administration 3 hrs
- PHI 2108 Critical Thinking or PHI 3640 Environmental Ethics 3 hrs

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.
Native American Studies - Certificate
College of Sciences
Department of Anthropology
http://anthropology.cos.ucf.edu
Email: anthro@ucf.edu
Dr. Rosalyn Howard, 407-823-2227

The Departments of Anthropology, History, English, Political Science, and Latin American Studies offer courses that support this Certificate. Significantly, this Certificate will provide an alternative to students majoring in Anthropology who wish to focus on Native American Studies but who are precluded from taking the Minor in the North American Indian Studies Program since it is administered in the Department of Anthropology. This certificate program will expand the study of Native peoples who reside in other regions of the Americas currently not covered by the North American Indian Studies program. This Certificate is appropriate for all UCF undergraduates.

Certificates will be awarded only at the time of degree completion. Admission Requirements
- None
Certificate Requirements
- A minimum overall 2.0 GPA is required in courses used to satisfy the requirement.
- At least 12 hours used toward the certificate must be earned at UCF within the participating departments.
- Anthropology majors may apply only two Anthropology courses from the Certificate program curriculum toward the Anthropology Major course requirements.

Prerequisite Courses
- Most courses for this certificate will have prerequisites completed as a part of a student’s GEP requirement, as general electives, or a student can enroll into courses with consent of instructor.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3245</td>
<td>Native American Religions</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3312</td>
<td>Ethnology of North American Indians</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 3580</td>
<td>North American Indians</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Required Courses (9 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3163</td>
<td>Mesoamerican Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3164</td>
<td>Ancient Incas</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3165</td>
<td>Archaeology of South America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3166</td>
<td>Maya Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3311</td>
<td>Indians of the Southeastern United States</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminole Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4332</td>
<td>People and Cultures of Latin America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAS 3101</td>
<td>Latin American Popular Culture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CPO 4794</td>
<td>Indigenous Politics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3076</td>
<td>American Indian Politics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (6 hrs)

Choose from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 3441</td>
<td>History of the Frontier: Eastern America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3643</td>
<td>Contemporary Native American Prose and Poetry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3152</td>
<td>Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3158</td>
<td>Florida Archaeology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 3160</td>
<td>Americas Before Columbus</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Other Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy the certificate.
- At least 12 credit hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate.
- Students cannot complete both the Leadership Studies certificate and the Leadership Studies minor.

Foreign Language Requirements
- None

Total Semester Hours Required
- 13

Nonprofit Management - Certificate
College of Health and Public Affairs
School of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/publicadmin
Dr. Stephanie Krick, stephanie.krick@ucf.edu, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None
Certificate Requirements
- None
Prerequisite Courses
- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 4144</td>
<td>Nonprofit Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4148</td>
<td>Volunteer Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4147</td>
<td>Resource Development in the Nonprofit Sector</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4325</td>
<td>Program Evaluation for Public and Nonprofit Organizations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4153</td>
<td>Planning and Improvement for Public Organizations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

Professional Selling and Sales Management - Certificate
College of Business Administration
Department of Marketing,
Business Administration II, Room: 307S
http://web.bus.ucf.edu

Admission Requirements
- Business majors other than marketing.
Certificates

Certificate Requirements
- Admission to, and successful completion of all the requirements for the Professional Selling Program.

Prerequisite Courses
- None

Required Courses (12 hrs)
- MAR 3391 Professional Selling 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAR 4413C Strategic Issues in Sales 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- Students must complete an electronic writing portfolio (ENC 4950) approved by the program director or advisor.
- Students must earn a minimum 2.5 GPA in coursework used to satisfy the certificate and a minimum 2.0 GPA across all attempts of courses that could be used to satisfy the certificate.
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- At least 6 hours used to satisfy the certificate must be taken from the Department of Writing and Rhetoric at UCF.

Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric,
Colbourn, Room: 301 B
http://writingandrhetoric.cah.ucf.edu/
Dr. Blake Scott, Program Director, bscott@ucf.edu, 407-823-1057
Adele Richardson, Program Advisor, adele@ucf.edu, 407-823-0349

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements
Transfer Notes
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students should consult with a department advisor.
- Students cannot earn both the Certificate in Public and Professional Writing and the Minor in Writing and Rhetoric.

Prerequisite Courses
- None

Required Courses (6 hrs)
- ENC 3241 Writing for the Technical Professional 3 hrs
- ENC 3250 Professional Writing or 3 hrs
- ENC 3331 Rhetoric and Civic Engagement 3 hrs
- ENC 3351 Argumentative Writing 3 hrs
- ENC 3315 Writing for Publication 3 hrs
- ENC 4353 Writing for Social Change 3 hrs
- ENC 4212 Professional Editing 3 hrs
- ENC 4333 Writing for Health and Medicine 3 hrs
- ENC 4355 Writing for Science and Technology 3 hrs
- ENC 3455 Writing in Global and Transnational Contexts 3 hrs
- ENC 4378 Writing in Global and Transnational Contexts 3 hrs

Restricted Electives
- None

Applications of Public and Professional Writing - Certificate

Writing
- Students must take one of the following courses:
  - ENC 3311 Essay as Cultural Commentary 3 hrs
  - ENC 3315 Argumentative Writing 3 hrs
  - ENC 3355 Writing for Public 3 hrs
  - ENC 4354 Writing with Communities and Nonprofits 3 hrs
  - ENC 4416 Writing in Digital Environments 3 hrs
  - ENC 4212 Professional Editing 3 hrs
  - ENC 3455 Writing about Health and Medicine 3 hrs
  - ENC 4355 Writing about Science and Technology 3 hrs
  - ENC 3453 Marketing Your Writing 3 hrs
  - ENC 3433 Writing in Global and Transnational Contexts 3 hrs
  - ENC 3433 Multimedia Writing and Composition 3 hrs

Additional Restricted Elective
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- None

Real Estate: Mortgage Brokerage - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida mortgage broker’s license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- MAR 3391 Professional Selling or 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAR 4413C Strategic Issues in Sales 3 hrs
- MAR 4418 Strategic Sales Force Management 3 hrs
- 1 REE 4941 Internship 3 hrs

Select 1:
- MAR 3391 Professional Selling or 3 hrs

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). Certificates 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
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They
are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser’s license.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- MAR 3391 Professional Selling 3 hrs
- 1 REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate prerequisites; however individual courses may have prerequisites.

Required Courses (12 hrs)
- SCC 3311 Security Administration 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 4843 Risk Management in Criminal Justice/ Private Security 3 hrs
- CCJ 4644 White Collar Crime 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - CJE 3444 Crime Prevention 3 hrs
  - CJT 3821 Practical Security Applications 3 hrs
  - SCC 3316 Special Security Problems 3 hrs
  - DSC 4012 Terrorism 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Service-Learning - Certificate
College of Undergraduate Studies
Office of Experiential Learning, CSEL, Suite 300
http://www.explearning.ucf.edu
A. Zeh, Amy.Zeh@ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on
Certificates

Certificates 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 (9 hrs)
■ EDF 2007 Introduction to Substitute Teaching 3 hrs
■ EDF 2250 Classroom Management for Substitutes 3 hrs
■ EDG 2311 Teaching Strategies for Substitute Teachers 3 hrs

Restrictive 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.
Transfer credits from other universities will be considered.
■ 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 and Human Performance.

Teaching English as a Foreign Language - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
Dr. K. Folse, 407-823-4555
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

Certificate Admission Requirements
■ None
Certificate Requirements
■ None
Prerequisite Courses
■ None

Required Courses (12 hrs)
■ TSL 3346 English as an International Language 3 hrs
■ TSL 4240 Issues in Second Language Acquisition 3 hrs
■ TSL 4363 ESL Classroom Experiences 3 hrs

Restricted Electives
■ None
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.
■ All 12 hours used in the certificate must be earned at UCF within the participating departments.
■ No credit by exam (TSD, Military credit) may be used.
■ Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 519
http://mll.cah.ucf.edu/
Dr. Francisco Fernandez-Rubiera, rubiera@ucf.edu

Certificate Admission Requirements
■ Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.
Certificate Requirements
■ None
Prerequisite Courses
■ None

Required Courses (9 hrs)
■ SPT 3800 Spanish Translation and Interpretation 3 hrs
■ SPT 3805 Spanish Translation and Interpretation for Mass Communication 3 hrs
Certificates

SPT 3809  Medical Spanish Translation/Interpretation  3 hrs
SPT 3831  Spanish Legal Translation and Interpretation  3 hrs
SPN 4941  Internship  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- Independent Study or Co-op credit cannot be used toward the certificate.
- No credit by exam (TSD, Military credit) may be used.
- Satisfactory completion of translation and interpretation exit exam.

Victim Advocacy - Certificate
College of Health and Public Affairs
Department of Criminal Justice, Health and Public Affairs I, Room: 311
Email: cjadvise@ucf.edu
Dr. MaryAnn Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- Students are required to take courses as specified below and to declare the Certificate.

Prerequisite Courses
- There are no certificate program prerequisites; however individual courses may have prerequisites.

Required Courses (9 hrs)
- CCJ 3667  Victims and the CJ System  3 hrs
- CCJ 4670  Women and Crime  3 hrs
- CCJ 4681  Domestic Violence and the Justice System  3 hrs

Restricted Electives (6 hrs)
- Select two of the following:
  - SYP 4521  Crime Victims in Society  3 hrs
  - NUR 4516  Crisis Intervention  3 hrs
  - SOW 4754  Forensic Social Work Theory and Practice  3 hrs
  - CJJ 4564  Juvenile Justice System  3 hrs
  - CCJ 4690  Sex Offenders and the Criminal Justice System  3 hrs
  - CCJ 4129  Cultural Diversity in Criminal Justice  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Aerospace Engineering - Accelerated

Undergraduate-Graduate Program
(B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical and Aerospace Engineering,
Engineering, Room: 381
http://www.mae.ucf.edu
Email: mmaeugrad@ucf.edu

Dr. Seetha Raghavan, seetha.raghavan@ucf.edu, 407-823-1737
Dr. Hyoung Jin "Joe" Cho, hjcho@ucf.edu, 407-823-8014
Phone: 407-823-5448

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Admission to the Accelerated Program does not guarantee formal admission to the MSAE or MSME program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)

- See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)

- See Aerospace Engineering major in catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

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

4. Core Requirements: Advanced Level (51 hrs)

- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EAS 3101 Fundamentals of Aerodynamics 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 3810C Design of Aerospace Experiments 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EAS 4200 Analysis & Design of Aerospace Structures 3 hrs
- EML 3217 Engineering Mechanics - Dynamics 3 hrs
- EML 4226 Introduction to Vibrations and Controls 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs

5. Restricted Electives (12 hrs)

- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

- Please Note: The Accelerated B.S. to M.S. Program allows students to complete a maximum of 12 credit hours of Graduate level course work for technical elective credit.

6. Capstone Requirements (6 hrs)

- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

   - EAS 4700C Aerospace Design I 3 hrs
   - EAS 4710C Aerospace Design II 3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required

- 128

Total Combined Hours Required

- 146

Honors In Major

- None

Related Programs

- Mechanical Engineering

Certificates

- None

Related Minors

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

Advising Notes

- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

UNIVERSITY OF CENTRAL FLORIDA
Accelerated Undergraduate-Graduate Programs

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 16 credit hours of graduate-level courses while completing the master's degree. This enables full-time students to achieve a master's degree in one to two fewer semesters.

Admission Requirements
- Completion of at least 15 hours of undergraduate CSD coursework at UCF.
- 3.6 GPA or better in courses in the major.
- A highly competitive GRE score taken within the past 5 years.
- Completion of an application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 16 credit hours of graduate course work will be formally admitted into the master's program in Communication Sciences and Disorders following receipt of the bachelor's degree.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
   Suggested PSY 2012 General Psychology

Select 1: STA 2013 Principles of Macroeconomics or STA 2023 Principles of Microeconomics

Select 1: POS 2041 American National Government

E: Science Foundations (6 hrs)
   Required PHY, CHM, or FSC course listed in GEP E.1
   Any BSC course listed in GEP E.2 or ANT 2511
   PHY, PSC or CHM

2. Common Program Prerequisites (CPP)
   STA 3471 Communication Disorders in Literature and Media
   SPA 3101 Physiological Bases of Speech and Hearing
   SPA 3112 Basic Phonetics
   SPA 3112L Basic Phonetics Lab
   LIN 3716 Language Development
   SPA 3011 Speech Science I: Production
   SPA 3011L Speech Production lab
   SPA 3104 Neural Bases of Communication
   SPA 3123 Speech Science II: Perception
   SPA 3123L Speech Perception Lab
   SPA 4032 Audiology
   SPA 4326 Hearing Disorders Across the Lifespan
   DEP 2004C Developmental Psychology
   LIN 3716L Language Development Lab
   LIN 3713 Language Science

Select 1: EAB 3703C Principles of Behavior Modification or
         EEX 4601 Introduction to Behavior Management or
         EEV 4604 Classroom Management and Guidance of Young Children or
         EDF 3303 Learning Environments and Guidance for Young Children or
         SPA 3472 Guidance of Young Children with Communication Disorders or
         EEX 4350 Young Children With Special Needs

Statistics Requirement
   Students have two options in completing this requirement:
   Option 1: STA 2023 Statistical Methods I and STA 4163 Statistical Methods II
   Option 2: STA 2014C Principles of Statistics and SPA 6805 Research in Communicative Disorders
            or STA 2023 Statistical Methods I and SPA 6805 Research in Communicative Disorders

5. Restricted Electives (9 hrs)
   B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
   B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements (3 hrs)
   None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major.

Graduate Courses Link
- http://www.graduatecatalog.ucf.edu/content/Courses.aspx

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/academiclearningcompacts.html

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

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/csd
Email: csdundergraduate@ucf.edu
Dr. Cecyle Carson, Undergraduate Program Coordinator
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 16 credit hours of graduate-level courses while completing the bachelor's degree. This enables full-time students to achieve a master's degree in one to two fewer semesters.

Admission Requirements
- Completion of at least 15 hours of undergraduate CSD coursework at UCF.
- 3.6 GPA or better in courses in the major.
- A highly competitive GRE score taken within the past 5 years.
- Completion of an application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 16 credit hours of graduate course work will be formally admitted into the master's program in Communication Sciences and Disorders following receipt of the bachelor's degree.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1: STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
   Suggested PSY 2012 General Psychology

Select 1: STA 2013 Principles of Macroeconomics or STA 2023 Principles of Microeconomics

Select 1: POS 2041 American National Government

E: Science Foundations (6 hrs)
   Required PHY, CHM, or FSC course listed in GEP E.1
   Any BSC course listed in GEP E.2 or ANT 2511
   PHY, PSC or CHM

2. Common Program Prerequisites (CPP)
   STA 3471 Communication Disorders in Literature and Media
   SPA 3101 Physiological Bases of Speech and Hearing
   SPA 3112 Basic Phonetics
   SPA 3112L Basic Phonetics Lab
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Select 1: EAB 3703C Principles of Behavior Modification or
         EEX 4601 Introduction to Behavior Management or
         EEV 4604 Classroom Management and Guidance of Young Children or
         EDF 3303 Learning Environments and Guidance for Young Children or
         SPA 3472 Guidance of Young Children with Communication Disorders or
         EEX 4350 Young Children With Special Needs

Statistics Requirement
   Students have two options in completing this requirement:
   Option 1: STA 2023 Statistical Methods I and STA 4163 Statistical Methods II
   Option 2: STA 2014C Principles of Statistics and SPA 6805 Research in Communicative Disorders
            or STA 2023 Statistical Methods I and SPA 6805 Research in Communicative Disorders

5. Restricted Electives (9 hrs)
   B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
   B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

6. Capstone Requirements (3 hrs)
   None
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
- Select 12 hours of electives. A minor or certificate is encouraged.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of "B" in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major.
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- Interested students should contact the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work
- Exceptional Student Education
- Early Childhood Education
- Physical Therapy

Certificates
- Language Development and Disorders
- Communication Sciences and Disorders
- American Sign Language (ASL)

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Human Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted.
- Lower division courses do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA 6204</td>
<td>Articulation/Phonological Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6410</td>
<td>Aphasia and Related Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6496</td>
<td>Language Disorders in Children and Adolescents</td>
<td>6 hrs</td>
</tr>
<tr>
<td>SPA 6805</td>
<td>Research in Communicative Disorders</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPA 6551</td>
<td>Foundations of Clinical Practice: Level I</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35 per term

Computer Engineering - Accelerated Undergraduate-Graduate Program
(B.S.Cp.E. / M.S.Cp.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

Email: eecpe-grad@eecs.ucf.edu
Dr. Kalpathy Sundaram
Diana Camerino
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSPE program.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)

- See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)

- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

- Engineering Concepts and Methods
- Introduction to the Engineering Profession

4. Core Requirements: Advanced Level (57 hrs)

Courses Required for the Engineering Core

- Engineering Calculus III
- Linear Algebra
- Probability and Statistics for Engineers
- Engineering Analysis-Statics
- Engineering Analysis-Dynamics
- Engineering Analysis-Thermo-Fluids-Heat Transfer
- Engineering Analysis-Structures

Select 1:

- Engineering Analysis-Statics
- Engineering Analysis-Dynamics
- Engineering Analysis-Thermo-Fluids-Heat Transfer

Courses Required for the Major

- Engineering Analysis-Statics
- Engineering Analysis-Dynamics
- Engineering Analysis-Thermo-Fluids-Heat Transfer
- Engineering Analysis-Structures
5. Restricted Electives (9 hrs)

- Technical electives should be taken at the 5000 level and are available in the BSCpE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- 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 Electrical Engineering & Computer Science department for acceptable courses.

Graduate Courses Link

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees

- Part-Time Student: $30 per term
- Full-Time Student: $60 per term

Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 437

http://www.eecs.ucf.edu

Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Kelly Brussel, kelly.brussel@ucf.edu
Phone: 407-823-3327

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.

Admission is not automatic. Interested students may need to be interviewed.

- Admission to the Accelerated Program does not guarantee formal admission to the MS program.

Degree Requirements

- None

1. UCF General Education Program (GEP) (39 hrs)

- See Computer Science major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)

- See Computer Science major in the catalog for the CPP requirements.
### Accelerated Undergraduate-Graduate Programs

**3. Core Requirements: Basic Level (24 hrs)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
<tr>
<td>COP 3330</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CDA 3103C</td>
<td>Computer Logic and Organization</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CIS 3360</td>
<td>Security in Computing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3402</td>
<td>Systems Software</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3960</td>
<td>CS Foundation Exam</td>
<td>0 hrs</td>
</tr>
</tbody>
</table>

Select 1:
- ENC 3241 Writing for the Technical Professional or 3 hrs
- ENC 3250 Professional Writing 3 hrs

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

A “C” (2.0) or better is required in all courses listed. Students must maintain at least a 2.5 GPA in the following courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4768</td>
<td>Computer Architecture</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4934</td>
<td>Senior Design I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4935</td>
<td>Senior Design II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**5. Restricted Electives (15 hrs)**

**5000 level Computer Science courses** 9 hrs
- At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed.
- Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

**4000-5000 level mathematics or statistics** 6 hrs
- courses from: STA, MAP, MAA, MAD, MAS prefixes and the following courses.
- No independent study hours, internship, or cooperative education hours are allowed.
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Ordinary Differential Equations I 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3106 Linear Algebra 4 hrs

**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 multilingual courses approved by Computer Science. This requirement is waived for second degree seeking students.

**8. Electives (4 hrs)**
- Select primarily from upper level courses after meeting with a department advisor. Courses may be outside the department.

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- None.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Undergraduate Hours Required**
- 120

**Total Combined Hours Required**
- 138

**Honors In Major**
- None

**Related Programs**
- Computer Engineering
- Information Technology

**Certificates**
- None

**Related Minors**
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

**Advising Notes**
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Shared Courses** (12 hrs)
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

**Graduate Courses Link**
- None

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.o eas.ucf.edu/academiclearningcompacts.html](http://www.o eas.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**
- Part-Time Student: $9 per term
- Full-Time Student: $18 per term

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**Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)**

**College of Engineering and Computer Science**
**Department of Electrical Engineering and Computer Science**
**Harris Corp. Engineering Center, Room: 439**
**http://www.eecs.ucf.edu**

**Email:** eecep-grad@eecs.ucf.edu

Dr. Kalpathy Sundaram
Diana Camerino
Phone: 407-823-3327

**Admission Requirements**
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.
- Admission to the Accelerated Program does not guarantee formal admission to the MSEE program.
Courses Required for the Major 44 hrs

Select 1: 3 hrs

Engineering Core: Advanced 9 hrs

Engineering Core: Basic 2 hrs

satisfy major requirements. Independent study courses generally do not

restricted elective courses and the senior design courses

the courses required for the major in this area as well as

restricted elective courses and the senior design courses

listed below. Independent study courses generally do not

satisfy major requirements.

Engineering Core: Basic 2 hrs

EGS 106C Introduction to the Engineering Profession 1 hr

EGN 1007C Engineering Concepts and Methods 1 hr

Engineering Core: Advanced 9 hrs

EGN 3310 Engineering Analysis-Statics 3 hrs

STA 3032 Probability and Statistics for Engineers GEP

PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select 1: 3 hrs

EGN 3321 Engineering Analysis-Dynamics or 3 hrs

EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 44 hrs

EEL 3004C Electrical Networks 3 hrs

EEL 3123 Networks and Systems 4 hrs

EEL 3350 Semiconductor Devices I 3 hrs

EEL 3307C Electronics I 4 hrs

EEL 3342C Digital Systems 3 hrs

EEL 3801C Computer Organization 3 hrs

EEL 4309C Electronics II 4 hrs

EEL 4750 Digital Signal Processing Fundamentals 3 hrs

EEL 4742C Embedded Systems 4 hrs

EGN 3310 Engineering Analysis-Statics 3 hrs

EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

5. Restricted Electives (10 hrs)

Technical electives should be taken at the 5000

level and are available in the BSEE program to address

specific student interests in a variety of technical areas.

Students should consult with their academic advisor for

the identification of courses which are approved technical

electives and the terms when specific courses of this type

are to be offered.

6. Capstone Requirements (6 hrs)

EEL 4914 Senior Design I 3 hrs

EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

Admissions

Two years of one foreign language in high school, or

one year of one foreign language in college (or equivalent

proficiency exam) prior to graduation.

Graduation

None

8. Electives

None

9. Additional Requirements

24 of 32 residency hours must be 3000-5000 level

courses taken from the EECS Department at UCF and

applicable to the undergraduate degree program.
Accelerated Undergraduate-Graduate Programs

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://history.cah.ucf.edu/

Email: Graduate program: hisgrad@ucf.edu
Email: Undergraduate program: history@ucf.edu
Dr. Peter Larson
Phone: 407-823-2224

This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements
- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- One official transcript (in a sealed envelope) from each college/university attended.
- A 3.5 GPA or higher in history courses
- Official competitive Graduate Record Exam (GRE) score taken within the last five years.
- An essay indicating reasons for wishing to complete the combined bachelor’s/master’s program.
- Three letters of recommendation from History faculty.
- Students will be formally admitted to the master’s program following receipt of the B.A. degree.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "B" (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.

Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000-level courses to meet this requirement.

- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)
- See the History major in this catalog for track specific GEP requirements

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations
2. Common Program Prerequisites (CPP)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (6 hrs)
- Complete two courses from EUH 2000, EUH 2001, WOH 2012 and/or WOH 2022. Upper level AFH, ASH, EUH, LAH and/or WOH courses can be substituted for these requirements.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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
- HIS 4959 History Portfolio

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.
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, william.thompson@ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements

- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Admission to the Accelerated Program does not guarantee formal admission to the MSIE program.
- Admission is not automatic. Interested students may need to be interviewed

Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)
  - See Industrial Engineering major is the Catalog for track specific GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
  - See Industrial Engineering major in the Catalog for the CPP requirements.
  - See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (60 hrs)
  - Industrial Engineering Core: Basic 2 hrs
    - 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.
    - EGS 1006C Introduction to the Engineering Profession 1 hr
    - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (59 hrs)
  - Graduate courses used to complete the Accelerated BS to MS will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A “C” (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI, STA and MAS. A “B” (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

EIN 2002 Introduction to Industrial Engineering and Management Systems 1 hr
EIN 3314 Work Analysis and Design 3 hrs
EIN 3315 Engineering Economic Analysis and Cost Engineering 3 hrs
EIN 3351 Engineering Economic Analysis and Cost Organization 3 hrs
STA 3032 Probability and Statistics for Engineers 4 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
EIN 3314 Work Analysis and Design 3 hrs
EIN 3351 Engineering Economic Analysis and Cost Engineering 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4234 Quality Engineering 3 hrs
EIN 4243C Human Engineering 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4364 Facilities Planning 3 hrs
EIN 4391 Manufacturing Engineering 3 hrs

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Accelerated Undergraduate-Graduate Programs

**1. UCF General Education Program (GEP)**
- **A: Communication Foundations**
- **B: Cultural & Historical Foundations**
- **C: Mathematical Foundations**
- **D: Social Foundations**
- **E: Science Foundations**

**2. Common Program Prerequisites (CPP)**
- **EIN 4517 Systems Engineering**
- **ESI 4628 Decision Support Systems for Industrial Engineers**
- **ESI 5306 Operations Research**
- **ESI 5531 Discrete Systems Simulation**

**3. Core Requirements: Basic Level**
- **EGN 1007C Engineering Concepts and Methods**
- **EGS 1006C Introduction to the Engineering Profession**
- **EGN 3343 Thermodynamics**
- **EGN 3358 Thermo-Fluids-Heat Transfer**
- **ESI 4628 Decision Support Systems for Industrial Engineers**
- **ESI 4517 Systems Engineering**
- **EIN 4891C Industrial Engineering Senior Design Project**

**4. Electives**
- **Select 1:**
  - **3 hrs**
  - **EIN 5140 Project Engineering**
  - **ESI 5219 Engineering Statistics**

**5. Restricted Electives**
- **(6 hrs)**
  - **Select 2:**
    - **3 hrs**
    - **ESI 5306 Operations Research**
    - **ESI 5531 Discrete Systems Simulation**
    - **ESI 4628 Decision Support Systems for Industrial Engineers**

**6. Capstone Requirements**
- **None**

**7. Foreign Language Requirements**
- **None**

**Admissions**
- **None**

**Graduation**
- **None**

**8. Electives**
- **None**

**9. Additional Requirements**
- **None**

**10. Required Minors**
- **None**

**11. Departmental Exit Requirements**
- **(4 hrs)**
  - **EIN 4891C Industrial Engineering Senior Design Project**

**12. University Minimum Exit Requirements**
- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in residency at UCF.**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.**
- **Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.**

**Total Undergraduate Hours Required**
- **128**

**Total Combined Hours Required**
- **146**

**Honors In Major**
- **None**

**Related Programs**
- **None**

**Certificates**
- **None**

**Related Minors**
- **None**

**Advising Notes**
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.

**Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.**

**Undergraduate students are not eligible to take 6000-level courses.**

**Transfer Notes**
- **None**

**Acceptable Substitutes for Transfer Courses**
- **None**

**Shared Courses**
- **Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.**

**Graduate Courses Link**
- **None**

**Program Academic Learning Compacts**
- **Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:**
  - [http://www.oeas.ucf.edu/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**
- **Part-Time Student: $38 per term**
- **Full-Time Student: $77 per term**

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**Mechanical Engineering - Accelerated Undergraduate-Graduate Program**

**B.S.M.E. / M.S.M.E., M.S.M.S.E. or M.S.A.E.**

**College of Engineering and Computer Science**

**Department of Mechanical and Aerospace Engineering, Engineering, Room: 381**

http://www.mae.ucf.edu

Dr. Seetha Raghavan, seetha.raghave@ucf.edu, 407-823-1737
Dr. Hyoung Jin “Joe” Cho, hjcho@ucf.edu, 407-823-8014
Phone: 407-823-5448

**Admission Requirements**
- **See Common Program Prerequisites.**
- **Qualified students may apply after completion of a minimum of 64 credit hours.**
- **Completion of no more than 96 credit hours.**
- **Admission to the Accelerated Program does not guarantee formal admission to the MSME, MSMSE, or MSAE program.**
- **Admission is not automatic. Interested students may need to be interviewed.**

**Degree Requirements**
- **None**

1. **UCF General Education Program (GEP)**
   - **(38 hrs)**
   - See Mechanical Engineering major in the Catalog for track specific GEP requirements

2. **A: Communication Foundations**
   - **(9 hrs)**

3. **B: Cultural & Historical Foundations**
   - **(9 hrs)**

4. **C: Mathematical Foundations**
   - **(7 hrs)**

5. **D: Social Foundations**
   - **(6 hrs)**

6. **E: Science Foundations**
   - **(7 hrs)**

**2. Common Program Prerequisites (CPP)**
- **(19 hrs)**

**3. Core Requirements: Basic Level**
- **(2 hrs)**

- **EGS 1006C Introduction to the Engineering Profession**
- **EGN 1007C Engineering Concepts and Methods**

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4. Core Requirements: Advanced Level (63 hrs)

- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 3217 Engineering Mechanics - Dynamics 3 hrs
- EML 4225 Introduction to Vibrations and Controls 3 hrs
- EML 3500 Design and Analysis of Machine Components 3 hrs

Select 2 of the Following: 6 hrs

- EML 3101 Thermodynamics of Mechanical Systems or 3 hrs
- EML 4143 Heat Transfer II or 3 hrs
- EML 4313 Intermediate System Dynamics and Controls or 3 hrs
- EML 4703 Fluid Mechanics II or 3 hrs
- EML 4504 Design & Analysis of Machine Components II 3 hrs

Select 1 of the Following: 3 hrs

- EML 4301C Engineering Design I 3 hrs
- EML 4306C Energy Systems Lab 3 hrs

5. Restricted Electives

- Approved Electives 18 hrs

  **Technical electives should be taken at the 5000 level and are available in the BSME program to address specific student interests in a variety of technical areas.**

Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.
- EML 4501C Engineering Design I 3 hrs
- EML 4502C Engineering 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 (6 hrs)

None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required 128

Total Combined Hours Required

- 146

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Career and Academic Advising

- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
  - EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs
  - EML 4991 Mechanical Career and Academic Faculty Advising II 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 and Aerospace Engineering department for a list of acceptable courses.

Graduate Courses Link

- [http://www.graduatecatalog.ucf.edu/content/Courses.aspx](http://www.graduatecatalog.ucf.edu/content/Courses.aspx)

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/academiclearningcompacts.html](http://www.oecs.ucf.edu/academiclearningcompacts.html)

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)

College of Nursing

UTWR, Room: 3rd floor

[http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)

Email: ucfnurse@ucf.edu

Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Kelly Allred, Undergraduate Coordinator
Patricia Leli, Clinical Education Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.

**UNIVERSITY OF CENTRAL FLORIDA**

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Accelerated Undergraduate-Graduate Programs

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements

■ Acceptance to the university does not constitute admission to the upper division nursing program.
■ Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.
■ Admission to the university must also be completed by the program application deadline.
■ Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
■ Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
■ Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
■ All applicants must have a minimum overall GPA of 3.0
■ Selected applicants will be invited to a mandatory personal interview session.
■ Applicants are encouraged to attend an information session, prior to submitting the application.
■ A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
■ At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

Group A

■ grade of C (2.0) or better
  Microbiology with Lab 4 hrs
  Anatomy with Lab 4 hrs
  Physiology with Lab (or A&P I, II) 4 hrs
  1 CHM 1032 General Chemistry 3 hrs

  1 or other approved Science

Group B

■ grade of C (2.0) or better
  Sociology or Psychology 3 hrs
  Developmental Psychology 3 hrs
  Human Nutrition 3 hrs
  Statistics 3 hrs

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
■ Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
■ A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
■ UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP)

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (27 hrs)

■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

  1 MCB 2004C Microbiology for Health Professionals 4 hrs
  2 CHM 1032 General Chemistry 3 hrs
  1 ZOO 3733C Human Anatomy 4 hrs
  1 PCB 3703C Human Physiology 4 hrs
  HUN 3011 Human Nutrition 3 hrs

Select 1:

  STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1:

  SOW 3104 Human Behavior and the Social Environment I or DEP 2004C Developmental Psychology 3 hrs

Select 1:

  PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

1 science prerequisite
2 or other approved science prerequisite

3. Core Requirements: Basic Level

■ None

4. Core Requirements: Advanced Level (57 hrs)

■ Any variation from the following must be approved by the College of Nursing.

  NUR 3065 Health Assessment 2 hrs
  NUR 3065L Health Assessment Lab 1 hr
  NUR 3028 Essentials of Nursing Practice 3 hrs
  NUR 3028L Essentials of Nursing Practice Lab 1 hr
  NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
  NUR 3616 Health Promotion Across the Lifespan 2 hrs
  NUR 3616L Health Promotion Across the Lifespan Clinical 1 hr
  NUR 3125 Pathophysiology for Nursing Practice 3 hrs
  NUR 3145 Pharmacology for Nursing Practice 3 hrs
  NUR 3225 Nursing Care of the Adult I 3 hrs
  NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
  NUR 3381 Professional Nurse Seminar 1 hr
  NUR 3445 Nursing Care of Families 4 hrs
  NUR 3445L Nursing Care of Families Clinical 2 hrs
  1 NUR 3167 Accelerated Nursing Research Seminar 1 hr
  NUR 4227 Nursing Care of the Adult II 4 hrs
  NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
  NUR 4289 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
  NUR 4257 Introduction to Critical Care Nursing 3 hrs
  NUR 4594L Nursing Practicum 4 hrs
  NUR 4535 Psychiatric Mental Health Nursing 3 hrs
  NUR 4535L Psychiatric Mental Health Clinical 2 hrs
  NUR 4637 Public and Community Health Nursing 3 hrs
  NUR 4637L Public Health Nursing Clinical 1 hr

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)

Nursing Elective 3 hrs

■ Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements

■ None
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements
   - None

Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - Mandatory Drug Screening is required prior to admission and “on demand” for continuation in the program.
   - Complete all courses in major with at least a “C” (2.0)
   - Maintain a UCF GPA of 2.5 or above
   - Maintain a College of Nursing GPA of 2.5 or above

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Completion of all courses in major with a grade of “C” (2.0) or better
    - UCF GPA of 2.5 or above
    - College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 80 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Undergraduate Hours Required
   - 80

Honors In Major
   - University Honors and Honors in the Major Available
   - Open to students with a minimum 3.5 GPA in Nursing.
   - Completion of a three credit directed readings course.
   - Completion of a three credit thesis course.
   - Must earn a minimum cumulative UCF 3.2 GPA.
   - Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
   - Health Services Administration
   - Social Work

Certificates
   - None

Related Minors
   - Aging Studies
   - Psychology
   - Health Sciences
   - Health Services Administration

Advising Notes
   - None

Transfer Notes
   - Lower division courses do not substitute for upper division courses.
   - Nursing courses 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
   - 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 approved chemistry course (3 hrs) or approved science course (3 hrs)
   - Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or (BSC X085/X086) (8 hrs)
   - General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. (4 hrs)

General Requirements
   - Developmental Psychology (DEP 2004C) or any Human Growth & Development Across Life Span (3 hrs)
   - Human Nutrition with Therapeutic Nutrition (3 hrs)

Shared Courses
   - None

Graduate Courses Link
   - None

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
   - Part-Time Student: $25 per term
   - Full-Time Student: $50 per term

Nursing - R.N. to M.S.N. Option (B.S.N./M.S.N.)

College of Nursing

UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
Email: ucnurse@ucf.edu
Dr. Stephen Heglund, RN to MSN Coordinator
Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program culminating in the Bachelor’s degree while preparing the student who applies for and is accepted to graduate studies. Available MSN tracks include Nursing Leadership & Management, Nursing Education, and Nurse Practitioner. A separate application to Graduate Studies is required to continue beyond the Bachelor’s degree. Admission to graduate studies is limited access and not guaranteed. Nine graduate level credit hours from the RN to MSN program are applied to both the BSN and MSN degrees. Most classes are available online. In person attendance is required for NGR 5003L.

Admission Requirements
   - Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

All applicants must meet the following criteria:
   - Graduates of a state-approved or accredited associate degree or diploma nursing program
   - Licensure as a Registered Nurse (RN)
   - Completion of UCF general education requirements or an AA degree from a Florida College System institution.
   - Completion of prerequisites for the RN to BSN nursing program
   - Minimum cumulative GPA of 3.0. (all prior college coursework)
   - Admitted to UCF undergraduate program

Interim Requirements:
   - Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate

Program Phase:
   - These requirements should be met one semester before the BSN is awarded.
   - Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
   - Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0

Degree Requirements
   - Students who change degree programs and select this major must adopt the most current catalog year, including minors.
Accelerated Undergraduate-Graduate Programs

- Students should consult with a college advisor or Florida College System AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida College System or State University System institution.
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements.
- The MSN is awarded after completion of graduate program.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required MAC 1105C College Algebra 3 hrs
   - Required STA 2014C Principles of Statistics 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Prefer MAC 1105C College Algebra 3 hrs
   - Required STA 2014C Principles of Statistics 3 hrs

   D: Social Foundations (6 hrs)
   Select 1: 3 hrs
   - Prefer SYG 2000 Introduction to Sociology or 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs
   Select 1: 3 hrs
   - Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
   - Prefer ECO 2023 Principles of Microeconomics or 3 hrs
   - Prefer POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (7 hrs)
   Suggested BSC 2010C Biology I 4 hrs
   - Required CHM 1032 General Chemistry 3 hrs

1 or other approved science. Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is needed as a course prerequisite for Nutrition (HUN 3011), Physiology, and Microbiology.

2. Common Program Prerequisites (CPP) (18 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   MCB 2004C Microbiology for Health Professionals 4 hrs
   - CHM 1032 General Chemistry GEP
   - ZOO 3733C Human Anatomy 4 hrs
   - PCB 3703C Human Physiology 4 hrs
   - HUN 3011 Human Nutrition 3 hrs

Select 1: 3 hrs
   - STA 2014C Principles of Statistics or STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
   - SOW 3104 Human Behavior and the Social Environment I or 3 hrs
   - DEP 2004C Developmental Psychology 3 hrs

Select 1: 3 hrs
   - PSY 2012 General Psychology or SYG 2000 Introduction to Sociology GEP

1 Or other approved science. Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence of six-eight total credits.
3 Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (30 hrs)
   - NUR 3616 Health Promotion Across the Lifespan 2 hrs
   - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3165 Nursing Research 3 hrs
   - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   - NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
   - NUR 4637 Public and Community Health Nursing 3 hrs

5. Restricted Electives
   NURSE EDUCATOR / CLINICAL NURSE (12 hrs)
   - Takes the following 12 credits (nine graduate credits also applied to MSN)
     NGR 5003 Advanced Health Assessment and Diagnosis 2 hrs
     NGR 5003L Advanced Health Assessment and Diagnosis (Lab) 1 hr
     NGR 5141 Pathophysiological Bases for Advanced Nursing Practice and Transition and Theory 3 hrs
     NUR 4828 Nursing Leadership, Management and Role Transition and Theory for Advanced Practice Nursing 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).
   Graduation
   - None

8. Electives
   - Variable to meet degree requirements.

9. Additional Requirements
   - A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.
Accelerated Undergraduate-Graduate Programs

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, and nine hours of Summer credit.

Total Undergraduate Hours Required
- 120

Honors In Major
- Contact CON HIM Advisor or Program Coordinator

Advising Notes
- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
- A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/academiclearningcompacts.html

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

UCF Legal Studies/Barry Law/Touro Law

Accelerated Legal Studies Degree Program
(B.A. / B.S. to J.D.)

College of Health and Public Affairs

Department of Legal Studies,
Health & Public Affairs I, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
Email: legalstudies@ucf.edu

Dr. David Slaughter, Program Coordinator
Rupert Neish II, Program Academic Advisor
Phone: 407-823-1670

Students seeking admission to either Barry University Dwayne O. Andrews School of Law in Orlando, Florida, or Touro College Jacob D. Fuchsberg Law Center in Central Islip, New York, through the accelerated legal studies program will meet all admissions requirements for the above referenced law school(s) and obtain a B.A./B.S. in Legal Studies after completion of the first year of the law school curriculum and all UCF requirements.

Admission Requirements
- Students should apply for selection into this program no later than the end of the first semester of their junior year. Early student applications will also be accepted. Eligibility requirements include being a declared Legal Studies major, SAT score of 1175, high school GPA of 3.6, successful completion of a minimum of 15 credit hours of UCF course work with a 3.2 UCF GPA, completion of at least 33 credit hours of the required coursework in sections 4 and 5 below in residence at UCF, a personal statement essay, two letters of recommendation and a personal interview. More information about the admission and selection process (as well as deadlines for the application process) may be found at http://www.cohpa.ucf.edu/legalstudies/index.shtml.

Degree Requirements
- Students selected by UCF faculty members for participation in the Accelerated Law Program must complete all UCF General Education Program requirements, all requirements for the major (B.A. or B.S.) in Legal Studies, and at least 90 total credit hours towards the baccalaureate degree.
- Participants must maintain a minimum 3.2 overall GPA and cumulative 3.5 GPA in all UCF legal studies coursework. Failure to achieve minimum GPA requirements in any one semester may disqualify a student from further participation in the 3+3 Accelerated Law program.
- Participating students may elect to complete their UCF bachelor’s degree in residence at UCF under the following circumstances: students not accepted by Barry or Touro Law may complete their remaining requirements for graduation from UCF with a bachelor’s degree; students who decide to opt out of the 3+3 Accelerated Law Program may elect to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree; and students who do not successfully complete their first year of course work at law school may elect to return to UCF to fulfill their remaining requirements for graduation from UCF with a bachelor’s degree. Students decelerating to UCF are bound by the UCF catalog requirements applicable to the year the student first entered UCF. For students passing some, but not all, of their required first year classes at Barry or Touro, classes successfully completed with a grade of “C” (2.0) or better will transfer back to UCF towards the successful completion of the student’s electives needed for graduation.
- Only courses with grades of “C” (2.0) or better can be transferred to UCF’s legal studies’ program of study.
- Students are required to consult with a departmental advisor each semester at UCF to ensure that student is wholly advised as to all specific program requirements. Failure to meet with a departmental advisor each semester constitutes grounds for dismissal from the Accelerated Law Program.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
     Required ENC 1101 Composition I 3 hrs
     Required ENC 1102 Composition II 3 hrs
     Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
   - None
Accelerated Undergraduate-Graduate Programs

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (18 hrs)
   - All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.

   - PLU 5014: Property Law and the Legal System 3 hrs
   - PLU 5018: Legal Research 3 hrs
   - PLU 5015: Legal Writing 3 hrs
   - PLU 5020: Civil Practice and Procedure 3 hrs
   - PLU 5016: Property and Real Estate Law 3 hrs
   - PLU 5017: Professional Ethics and Liability 3 hrs

5. Restricted Electives (30 hrs)
   - Upper Division Restricted Electives 21 hrs

   - 21 additional hours of Legal Studies coursework selected in consultation with an advisor

   - Supporting Courses 9 hrs

   - Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete fifteen hours of supporting courses chosen with the approval of the student’s advisor.

   - Capstone Requirements (3 hrs)

   - Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.

   - PLA 4935: Capstone: Legal Issues 3 hrs

6. Foreign Language Requirements

7. Departmental Exit Requirements

   - Students must earn the equivalent of 120 hours of course work (UCF and Law School (first year or second year of Law School credit hours) before receipt of a UCF Legal Studies Degree.

   - For students decelerating to the 4 year B.A./B.S. program, the student must complete all coursework in the baccalaureate curriculum as shown for a Legal Studies B.A./B.S. degree as specified in the catalog and all university requirements, including the completion of 120 credit hours.

12. University Minimum Exit Requirements

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF.
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

   - Total Undergraduate Hours Required

   - 120

   - Honors In Major

   - None

   - Related Programs

   - Criminal Justice
   - History
   - Political Science
   - English - Pre-Law Track

   - Certificates

   - None

   - Related Minors

   - None

   - Advising Notes

   - None

   - Transfer Notes

   - None

   - Acceptable Substitutes for Transfer Courses

   - None

   - Shared Courses

   - None

   - Graduate Courses Link

   - None

   - Program Academic Learning Compacts

   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ceas.ucf.edu/academiclearningcompacts.html
The University offers four specialized degree programs for students who have graduated from a Florida College System institution with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the articulated A.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 Florida College System institution A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students should select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

4. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current requirements. Students may not be transient in their last 30 of 39 hours at UCF. Students must also meet the State General Education Core requirements.

5. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program 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 prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. To earn a bachelor’s degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Associate Director 407-823-2609, or the Director of Transfer and Transition Services, 407-823-2231.

Applied Science B.A.S. (A.S. to B.A.S.)
College of Undergraduate Studies
Regional Campuses Administration,
12201 Research Parkway, Suite 101
http://www.regionalcampuses.ucf.edu/
Jennifer Sumner, Jennifer.Sumner@ucf.edu, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making. Candidates for this program must have earned a statewide articulated A.S. from a Florida College System institution in Fall 2000 or later. Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript and sent to the UCF Registrar prior to 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. Students must also complete all common program prerequisites for these majors prior to enrollment at the main Orlando campus, they should see a Regional Campus advisor to guarantee timely completion of all requirements including Gordon Rule, Foreign Language Admission, and General Education.

Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including 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)
   None

3. Core Requirements: Basic Level (9 hrs)
   MAN 3025 Management of Organizations 3 hrs
   Select 1: 3 hrs
   BUL 3130 Legal and Ethical Environment of Business or
   PLA 3014 Law and the Legal System 3 hrs
   Select 1: 3 hrs
   ENC 3241 Writing for the Technical Professional or
   ENC 3250 Professional Writing 3 hrs

4. Core Requirements: Advanced Level
   None

5. Restricted Electives
   Area of Concentration (Choose one)
   All tracks are not available at all locations.

Criminal Justice Track 18 hrs
Take all of the following: 6 hrs
   CCJ 3024 Criminal Justice System and 3 hrs
   CCJ 3014 Crime in America 3 hrs

Select 2: 6 hrs
   CJC 3510 Prosecution and Adjudication or 3 hrs
   CJC 3010 Corrections and Penology or 3 hrs
   CJE 4014 Police and Society 3 hrs

Select 2: 6 hrs
Six additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor 6 hrs

UNIVERSITY OF CENTRAL FLORIDA
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<table>
<thead>
<tr>
<th>Program</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Articulated A.S. Programs</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Legal Studies Track</strong></td>
<td>18 hrs</td>
</tr>
<tr>
<td>Take all of the following:</td>
<td></td>
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<tr>
<td>PLA 3014 Law and the Legal System and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3108 Legal Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 4:</strong></td>
<td>12 hrs</td>
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<tr>
<td>PLA 3155 Legal Writing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 3205 Civil Practice and Procedure or</td>
<td>3 hrs</td>
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<tr>
<td>PLA 3277 The Law of Torts or</td>
<td>3 hrs</td>
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<tr>
<td>PLA 3309 Criminal Procedure or</td>
<td>3 hrs</td>
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<tr>
<td>PLA 4424 The Law of Contracts or</td>
<td>3 hrs</td>
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<tr>
<td>PLA 4703 Professional Ethics and Liability</td>
<td>3 hrs</td>
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<tr>
<td><strong>Health Services Administration</strong></td>
<td>18 hrs</td>
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<tr>
<td>Take all of the following:</td>
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<tr>
<td>HSA 3111 U.S. Health Care Systems and</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4201 Community Health and</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4180 Organization &amp; Management for Health</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4191 Fundamentals of Health Information Technology and</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4500 Epidemiology</td>
<td>3 hrs</td>
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<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
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<tr>
<td>HSC 4652 Health Law and Ethics or</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4109 Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans or</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4702 Health Sciences Research Methods or</td>
<td>3 hrs</td>
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<tr>
<td>HIM 4508C Quality Management</td>
<td>3 hrs</td>
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<tr>
<td><strong>Information Technology Track</strong></td>
<td>21 hrs</td>
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<tr>
<td>Requirements for the track: An A.S. degree in computer technology, computer related field or at a minimum an A.S. degree and at least 3 different computer technology courses from computer applications, computer networking, computer programming, internet technologies or equivalent experience or education. The track has a computer programming course prerequisite or equivalent experience or C.I. Acceptable courses include C, C++, C#, Visual Basic, Java, or equivalent, or C.I.</td>
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<tr>
<td>Take all of the following:</td>
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<tr>
<td>CET 3383 Applied Systems Analysis I and</td>
<td>3 hrs</td>
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<tr>
<td>CET 4427 Applied Database I and</td>
<td>3 hrs</td>
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<tr>
<td>ETI 4448 Applied Project Management and</td>
<td>3 hrs</td>
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<tr>
<td>CET 4748 Wide Area Networks I and</td>
<td>3 hrs</td>
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<tr>
<td>CET 4749 Wide Area Networks II and</td>
<td>3 hrs</td>
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<tr>
<td>CET 4663 Computer and Network Security and</td>
<td>3 hrs</td>
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<tr>
<td>CET 4483 Intro to Local Area Network Technology</td>
<td>3 hrs</td>
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<tr>
<td><strong>Software Development Track</strong></td>
<td>21 hrs</td>
</tr>
<tr>
<td>Requirements for the track: An A.S. degree in Computer Programming and Analysis (CP&amp;A), or at a minimum an A.S. degree and at least 3 programming courses (an intro and 2 courses in the same language in sequence) and a database course.</td>
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<tr>
<td>Take all of the following:</td>
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<tr>
<td>COP 3330 Object Oriented Programming and</td>
<td>3 hrs</td>
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<tr>
<td>CEN 3024 Software Development I and</td>
<td>3 hrs</td>
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<tr>
<td>CEN 4025 Software Development II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEN 4910 Software Development Project and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETI 4448 Applied Project Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CEN 4802 Software Integration, Configuration, and</td>
<td>3 hrs</td>
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<tr>
<td>Testing and</td>
<td></td>
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<tr>
<td>CEN 4333 Advanced Database Development</td>
<td>3 hrs</td>
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<tr>
<td><strong>6. Capstone Requirements</strong></td>
<td></td>
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<tr>
<td>None</td>
<td></td>
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<tr>
<td><strong>7. Foreign Language Requirements</strong></td>
<td></td>
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<tr>
<td>Admissions</td>
<td></td>
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<tr>
<td>Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.</td>
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<tr>
<td><strong>Graduation</strong></td>
<td></td>
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<tr>
<td>None</td>
<td></td>
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<tr>
<td><strong>8. Electives</strong></td>
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<tr>
<td>As required to complete upper level credit hour requirements.</td>
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<tr>
<td>Consult with Program Advisor.</td>
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<tr>
<td><strong>9. Additional Requirements</strong></td>
<td></td>
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<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- None

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

**Total Semester Hours Required**
- 120

**Honor's In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- Consult Program Advisor.

**Advising Notes**
- Students may use 3 hours of internship as a part of the upper division requirements.

**Transfer Notes**
- Students have the option of completing the state approved general education program at a Florida College System institution or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.
- Lower division courses do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**
- None

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

**Criminal Justice - A.S. to B.S. Track (B.S.)**

**College of Health and Public Affairs**

**Department of Criminal Justice,**

**Health and Public Affairs, Room: 311**

**http://www.cohpa.ucf.edu/crim.jus/**

**Email:** cjadvise@mail.ucf.edu

Cory Watkins
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida College System institution)

**Admission Requirements**
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses.
Articulated A.S. Programs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida College System institution.
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
  A: Communication Foundations
  B: Cultural & Historical Foundations
  C: Mathematical Foundations
  D: Social Foundations
  E: Science Foundations

2. Common Program Prerequisites (CPP)
- Completed as part of the approved A.S. program
- See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (21 hrs)
  CCJ 3024 Criminal Justice System 3 hrs
  CCJ 3014 Crime in America 3 hrs
  CJE 3510 Prosecution and Adjudication 3 hrs
  CJC 3010 Corrections and Penology 3 hrs
  CJE 4014 Police and Society 3 hrs
  CCJ 4701 Research Methods in Criminal Justice 3 hrs
  CCJ 4746 Data Analysis for Criminal Justice 3 hrs

5. Restricted Electives (27 hrs)
- 24 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
- 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required
- 130

Honors In Major
- None

Related Programs
- Legal Studies
- Certificates
  - Crime Analysis and Crime Mapping
  - Criminal Profiling
  - Security Management
  - Crime Scene Investigation
  - Victim Advocacy

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

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/academiclearningcompacts.html

Hospitality Management - A.S. to B.S. Track (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
Email: hospitality@mail.ucf.edu
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida College System institution which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

Degree Requirements
- Students must earn a minimum 2.0 overall GPA in course work taken within the Rosen College of Hospitality Management, and a minimum 2.0 GPA in all courses listed in the common program prerequisites, the basic and advanced core courses, and the restricted electives.
- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

1. UCF General Education Program (GEP) (18 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:
  A: Communication Foundations
  B: Cultural & Historical Foundations
  C: Mathematical Foundations
  D: Social Foundations
  E: Science Foundations
Articulated A.S. Programs

2. Common Program Prerequisites (CPP)
   - 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 (3 hrs)
   - MAC 1105C College Algebra 3 hrs

Select 1:
   - CGS 2100C Computer Fundamentals for Business or 3 hrs
   - STA 2023 Statistical Methods I GEP

Select 1:
   - ECO 2013 Principles of Macroeconomics or GEP
   - 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 4286 Hospitality Communications 3 hrs
     - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
     - HFT 4464 Hospitality Industry Finance 3 hrs
     - HFT 4491 Internship II 1 hr
     - HFT 4494 Internship III 1 hr

Select 3
   - HFT 3700 Tourism Management or 3 hrs
   - HFT 3263 Restaurant Management or 3 hrs
   - HFT 3273 Principles of Resort Timesharing or 3 hrs
   - HFT 4755 Theme Park and Attraction Management or 3 hrs
   - HFT 4727 Yacht, Country, And City Club Management 3 hrs
   - HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Guest Lecture 1 hr
   - 1 HFT 3933 Distinguished Lectures in Hospitality Management 1 hr

1 See Program Advisor for course selection.

5. Restricted Electives (15 hrs)
   - Students should select from the following courses to fulfill their hospitality management restricted elective requirement or select one of the Specialized Tracks.

Restricted Electives 15 hrs
   - Students must take 15 credit hours (five courses) from the following:
     - FSS 3008 Culture and Cuisine 3 hrs
     - FSS 4135 Corporate Contract and Managed Services Organizations 3 hrs
     - FSS 4286C Catering and Banquet Organization 3 hrs
     - HFT 3353 Golf Planning & Operations I 3 hrs
     - HFT 3354 Agronomy for Golf Course Management 3 hrs
     - HFT 3355 Golf Planning & Operations II 3 hrs
     - HFT 3357 Golf & Club Event Operations 3 hrs
     - HFT 3384 Golf and Club Enterprises Management 3 hrs
     - HFT 3654 Hospitality Franchising 3 hrs
     - HFT 3741 Meeting Management 3 hrs
     - HFT 3770 Cruise Line Operations and Management 3 hrs
     - HFT 3798 Fairs and Festivals 3 hrs
     - HFT 3868 History and Culture of Wine 3 hrs
     - HFT 4065 Fine Spirits Management 3 hrs
     - HFT 4253 Advanced Lodging Operations 3 hrs
     - HFT 4266 Hospitality Brand Management 3 hrs
     - HFT 4274 Resort Management 3 hrs
     - HFT 4343 Hospitality Facilities Management 3 hrs
     - HFT 4358 Golf & Club Facility Design 3 hrs
     - HFT 4432 Hospitality Industry Auditing 3 hrs
     - HFT 4468 Hospitality Industry Revenue Management 3 hrs
     - HFT 4473 Hospitality Development Analysis 3 hrs
     - HFT 4522 Resort Sales Tactics and Strategies 3 hrs
     - HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry 3 hrs
     - HFT 4561 Destination Marketing 3 hrs
     - HFT 4614 Risk Management in Theme Parks and Attractions 3 hrs
     - HFT 4735 Tourism Geography 3 hrs
     - HFT 4736 Destination Management 3 hrs
     - HFT 4754 Exhibit and Trade Show Operations 3 hrs

HFT 4759 Product Development in Theme Parks and Attractions 3 hrs
HFT 4762 Current Practices in the Airline Industry 3 hrs
HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry 3 hrs
HFT 4758 Operational Issues in the Theme Park and Attraction Industry 3 hrs
HFT 4795 Entertainment Arts and Events 3 hrs
HFT 4796 International Events 3 hrs
HFT 4864 Seminar in Quality Brewing and Fine Beer 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 4894 International Gastronomy 3 hrs
HUN 3013 Nutrition Concepts and Issues in the Food Service Industry 3 hrs

Specialized Tracks 15 hrs
   - Theme Park and Attraction Mgmt Track 15 hrs
     - HFT 4751 Managing the Employee Experience in the Theme Park and Attraction Industry or 3 hrs
     - HFT 4759 Product Development in Theme Parks and Attractions or 3 hrs
     - HFT 4614 Risk Management in Theme Parks and Attractions or 3 hrs
     - HFT 4752 Managing the Guest Experience in the Theme Park and Attraction Industry or 3 hrs
     - HFT 4758 Operational Issues in the Theme Park and Attraction Industry or 3 hrs
     - HFT 4795 Entertainment Arts and Events 3 hrs
     - Golf and Club Management Track 15 hrs
     - HFT 3353 Golf Planning & Operations I or 3 hrs
     - HFT 3354 Agronomy for Golf Course Management or 3 hrs
     - HFT 3355 Golf Planning & Operations II or 3 hrs
     - HFT 3357 Golf & Club Event Operations or 3 hrs
     - HFT 3384 Golf and Club Enterprises Management or 3 hrs
     - HFT 4358 Golf & Club Facility Design 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - State University System foreign language 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
   - It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
   - Final exams will be given during Exam Week only.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF.
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, and nine hours of Summer credit.

Total Semester Hours Required 124
Honors In Major None
Accepted Substitutes for Transfer Courses

- BSC 1010C General Biology I may be substituted with ACG X011
- BSC 2010C General Biology II may be substituted with ACG X001

Advising Notes

- Students must earn a “C” (2.0) or better in each course listed in the common program prerequisites, the basic and advised cores, and the restricted electives.

Transfer Notes

- Florida College System students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general 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</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Plan of Study

**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education Requirement I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education Requirement II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education Requirement III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education Requirement IV</td>
<td>3 hrs</td>
</tr>
<tr>
<td>General Education Requirement V</td>
<td>3 hrs</td>
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</table>

**Junior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3540 Guest Services Management I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431 Hospitality Industry Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3933 Distinguished Lectures in Hospitality Management</td>
<td>1 hr</td>
</tr>
<tr>
<td>General Education Requirement VI</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Sectorial Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Junior Year - Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4941 Internship II</td>
<td>1 hr</td>
</tr>
<tr>
<td>Sectorial Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Hospitality Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4464 Hospitality Industry Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286 Hospitality Communications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4944 Internship III</td>
<td>1 hr</td>
</tr>
<tr>
<td>Sectorial Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Hospitality Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4295 Leadership and Strategic Management in Hospitality Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Hospitality Restricted Electives</td>
<td>9 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oelas.ucf.edu/academiclearningcompacts.html](http://www.oelas.ucf.edu/academiclearningcompacts.html)

Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)

**College of Nursing**

**UTWR, Room: 3rd floor**


**Email:** ucfnurse@ucf.edu

Dr. Mary Lou Sole, Interim Dean
Dr. Maureen Covelli, Associate Dean
Dr. Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college. (12/2000 or later)

**Admission Requirements**

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - A minimum overall undergraduate GPA of 2.8
  - Completion of a Statewide Articulated AS in Nursing from a Florida College System institution 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 College System or State University System institution should follow section “B” - RN to BSN Program
  - Current RN License

**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 College System or State University System institution 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: 30 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 3165 Nursing Research. Students completing the General Education requirements at a Florida College System institution should complete those courses prior to their last 30 hours at UCF.

<table>
<thead>
<tr>
<th>Requirement</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>Required SPC 1608 Fundamentals of Oral Communication</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 Foundations</td>
<td>9 hrs</td>
</tr>
<tr>
<td>Preferred MAC 1105C College Algebra</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>C: Mathematical Foundations</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Required BSC 1010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required CHM 1032 General Chemistry</td>
<td>3 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>
<tr>
<td>Required CHM 1032 General Chemistry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>E: Science Foundations</td>
<td>7 hrs</td>
</tr>
<tr>
<td>Required CHM 1032 General Chemistry</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Articulated A.S. Programs

2. Common Program Prerequisites (CPP) (18 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - **1**CHM 1032 General Chemistry GEP
   - **1**HUN 3011 Human Nutrition 3 hrs
   - **1**MCB 2004C Microbiology for Health Professionals 4 hrs
   - **2**PCB 3703C Human Physiology 4 hrs
   - **2**ZOO 3733C Human Anatomy 4 hrs

Select 1:
   - **3**STA 2014C Principles of Statistics or Statistical Methods I GEP
   - STA 2023

Select 1:
   - SOW 3104 Human Behavior and the Social Environment I or 3 hrs
   - DEP 2004C Developmental Psychology 3 hrs

Select 1:
   - PSY 2012 General Psychology or Introduction to Sociology GEP
   - SYG 2000

1. **(or other Approved Science) Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.**
2. **May take Anatomy and Physiology sequence of eight total credits**
3. **Also meets general education requirements; applicants should see a UCF Nursing advisor for possible course substitutions.**

3. Core Requirements: Basic Level
   - **None**
   - **4. Core Requirements: Advanced Level (56 hrs)**
     - **UCF Core (27 hrs)**
       - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
       - NUR 3065 Health Assessment 2 hrs
       - NUR 3065L Health Assessment Lab 1 hr
       - NUR 3165 Nursing Research 3 hrs
       - NUR 3616 Health Promotion Across the Lifespan 2 hrs
       - NUR 4637 Health Care Issues, Policy, and Economics 3 hrs
       - NUR 4604L Practicum in Community and Public Health 4 hrs
       - Nursing for RNs
       - NUR 4628 Nursing Leadership, Management and Role Transition 3 hrs
       - NUR 4637 Public and Community Health Nursing 3 hrs
       - NUR 4828 Pathophysiology for Nursing Practice 3 hrs

     - **Upper Division Credit (29 hrs)**
       - **May be met by validation and RN License**
       - NUR 3028 Essentials of Nursing Practice 3 hrs
       - NUR 3028L Essentials of Nursing Practice Lab 1 hr
       - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
       - NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
       - NUR 3445L Nursing Care of Families 4 hrs
       - NUR 3445L Nursing Care of Families Clinical 2 hrs
       - NUR 4227L Nursing Care of the Adult II 4 hrs
       - NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
       - NUR 4535 Psychiatric Mental Health Nursing 3 hrs
       - NUR 4535L Psychiatric Mental Health Clinical 2 hrs
       - NUR 3225 Nursing Care of the Adult I 3 hrs

5. Restricted Electives (3 hrs)
   - NSP/NUR/NGR XXXX Any one upper division nursing elective

6. Capstone Requirements
   - **None**

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3165.
   - Graduation
     - **None**

8. Electives
   - variable to meet degree requirements

9. Additional Requirements
   - A criminal background check and mandatory Drug Screening may be required prior to any clinical course and “on demand” for continuation in the program.
   - Complete all courses in major with at least a “C” (2.0)
   - Maintain a UCF GPA of 2.5 or above
   - Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:
   - Prior to NUR 3165 Nursing Research: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida College System or State University System institution; 3) 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](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, and nine hours of Summer credit.

Total Semester Hours Required
   - 128

Honors In Major
   - Contact Program Coordinator or HIM Advisor

Related Programs
   - Health Services Administration
   - Social Work

Certificates
   - Aging Studies

Related Minors
   - Psychology
   - Health Sciences
   - Health Services Administration
   - Health Information Management

Advising Notes
   - Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
   - A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
   - **None**

Plan of Study (30 hrs)
   - assuming general education, foreign language and nursing prerequisites are complete

Junior Year - Fall
   - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3125 Pathophysiology for Nursing Practice 3 hrs

Junior Year - Spring
   - NUR 3165 Nursing Research 3 hrs
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
<table>
<thead>
<tr>
<th>Year</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Junior Year - Summer</td>
<td>NUR 4837</td>
<td>Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR 3616</td>
<td>Health Promotion Across the Lifespan</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Senior Year - Fall</td>
<td>NUR 4828</td>
<td>Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR/NSP XXXX</td>
<td>Nursing Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Senior Year - Spring</td>
<td>NUR 4604L</td>
<td>Practicum in Community and Public Health Nursing for RNs</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>NUR 4637</td>
<td>Public and Community Health Nursing</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/academiclearningcompacts.html](http://www.oeas.ucf.edu/academiclearningcompacts.html)

**Equipment Fees**
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Classification of Courses
The University course numbering system is as follows:

- 0-0999. Sub-collegiate level and not counted in meeting degree requirements.
- 1000-2999. Freshman- and sophomore-level courses and are designed primarily for these students.
- 5000-5999. Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).
- 6000-6999. Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.
- 7000-7999. Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.
- 8000-8999. Medical School courses. These courses provide material for the Medical School curriculum. They are restricted to students in the Medical School.

Florida's Statewide Course Numbering System
Courses in this catalog are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 25 participating nonpublic institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online SCNS to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the SCNS. The listing of prefixes and associated courses is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

General Rule for Course Equivalencies
Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions, as listed below in Exceptions to the General Rule for Equivalency.

<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></td>
</tr>
</tbody>
</table>

Example of Course Identifier
For example, a freshman composition skills course is offered by 84 different public and nonpublic postsecondary institutions. Each institution uses "ENC_101" to identify its freshman composition skills course. The first digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I." In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course that has the same prefix and course number but meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a Florida College System institution. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the Florida College System institution is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. NOTE: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term system. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or subcategory of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states: Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

University of Central Florida
440 Undergraduate Catalog 2015-2016
### Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include courses that must be evaluated individually, or courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

- **A.** Courses not offered by the receiving institution.
- **B.** For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
- **C.** Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Theses and Dissertations.
- **D.** Applied academics for adult education courses.
- **E.** Graduate courses.
- **F.** Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
- **G.** Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (e.g., portfolio, audition, interview, etc.).

### Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page ([http://scns.fldoe.org](http://scns.fldoe.org)) a report entitled "Courses at Nonregionally Accredited Institutions" that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to the Associate Dean, Undergraduate Studies, Millican Hall 210, 823-2691 or to the Florida Department of Education, Office of Articulation, 1401 Florida Parkway, Orlando, FL 32816, 407-823-2691.

### Common Course Numbering System

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<tr>
<th>SCNS Code</th>
<th>Description</th>
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<td>Agricultural Education and Extension Education</td>
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# Common Course Numbering System

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<th>Department</th>
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<td>MKA</td>
<td>Marketing Applications</td>
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</table>
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 Course Undergraduate Graduate¹

Directed Independent Studies 1906, 2905, 3905, 4906 5907
Directed Independent Research 4912 5917
Special Undergraduate Research IDS 3913, 4914 5937
Special Topics/Seminars 1931, 2930, 3930, 4932, 5944
*Internship, Practicum, Clinical Practicum 3940, 4941 5944
Cooperative Education¹ 1949, 2949, 3949, 4949 5949
Honors Undergraduate Thesis 3970H, 4970H 5970H
Honors Directed Reading¹ 4903H
Honors Directed Reading² 4904H
Study Abroad 4955 5957

¹These courses may be assigned variable credit. Some may be repeated upon approval.
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-SVAD 3(2,4)

ART 2500C is offered by the College of Arts and Humanities (CAH), in the School of Visual Arts & Design (SVAD), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

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 and Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HPA = Health and Public Affairs, OPT = Optics, RCHM = Rosen College of Hospitality Management, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<tr>
<th>College/School</th>
<th>Department</th>
<th>Abbreviation</th>
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</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 2021 BA-ACCT 3(3,0)
Principles of Financial Accounting: PR: Sophomore standing and MAC 1105C with a “C” (2.0) or better. Nature of accounting, financial statements, the accounting cycle, assets, current liabilities, long-term debt, and owner’s equity; accounting for proprietorships and corporations. Fall, Spring.

ACG 2021H BA-ACCT 3(3,0)
Honors Principles of Financial Accounting: PR: MAC 1105C with a “C” (2.0) or better, and consent of Honors. Same as ACG 2021 with honors level content. Occasional.

ACG 2071 BA-ACCT 3(3,0)
Intermediate Financial Accounting I: PR: ACG 2021 and MAC 1105C, each with a “C” (2.0) or better. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

ACG 3082 BA-ACCT 3(3,0)
Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

ACG 3131 BA-ACCT 3(3,0)
Intermediate Financial Accounting II: PR: ACG 2071 with a grade of “C” (2.0) or better. Accounting and reporting from an investment and managerial decision making perspective. Fall, Spring.

ACG 3173 BA-ACCT 3(3,0)
Accounting for Decision-Makers: PR: ACG 2021 and ACG 2071, each with a grade of “C” (2.0) or better. Explores the use of financial statements and managerial accounting in support of business decisions. The tax environment on businesses is also explored. Fall, Spring.

ACG 3361 BA-ACCT 3(3,0)
Cost Accounting: I: PR: Junior standing, Accounting major or minor, and MAC 1105C, ECO 2013, ECO 2023, ACG 2071, each with a grade of “C” (2.0) or better. Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

ACG 3501 BA-ACCT 3(3,0)
Financial Accounting for Governmental and Nonprofit Organizations: PR: Accounting major or minor, and a grade of “C” (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

ACG 4252 BA-ACCT 3(3,0)
International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071, each with a “C” (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.

ACG 4284 BA-ACCT 3(3,0)
Financial Reporting for Consolidated Entities: PR: ACG 4314 and a grade of “C” (2.0) or better. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

ACG 4401C BA-ACCT 3(3,1)
Auditing Information Systems: PR: Accounting major or minor, ACG 3131 and CGS 2103C, each with a grade of “C” (2.0) or better. Manual and computer-based accounting information systems. Fall, Spring.

ACG 4651 BA-ACCT 3(3,0)
Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C, each with a grade of “C” (2.0) or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

ACG 4671 BA-ACCT 3(3,0)
Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361, with a “C” (2.0) or better. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

ACG 4803 BA-ACCT 3(3,0)
Advanced Issues in Financial Accounting: PR: Accounting major and “C” (2.0) or better in ACG 3141, ACG 3361, and ACG 3551. Advanced problems in financial accounting, including consolidations and IFRS. Fall, Spring.

AFA 3244 BA-ACHT 3(3,0)
African Social & Cultural Movements: PR: ENC 1102. Analytical look at the role cultural arts played in the emancipation and civil rights efforts that followed the trans-Atlantic slave trade. Occasional.

AFA 3371 BA-ACHT 3(3,0)
Evolution of Hip Hop: PR: ENC 1102 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.

AFA 3371H BA-ACHT 3(3,0)

AFA 3420 BA-ACHT 3(3,0)
Malcolm X, Black Nationalism, and Internationalism: PR: ENC 1102 or C.I. Comprehensive analysis of the sociopolitical thought of Malcolm X and its impact on African American political struggles. Fall.

AFA 3850 BA-ACHT 3(3,0)

AFA 3955 CA-AS 6(6,0)
Study Abroad in Eastern Caribbean: PR: ENC 1102 or C.I. Interdisciplinary study program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.

AFA 4095 BA-ACHT 3(3,0)
International Financial and Managerial Accounting: PR: Accounting major or minor, ACG 2021, ACG 2071, each with a “C” (2.0) or better. An examination of environmental factors affecting international accounting standards and multinational corporate operations. Not open to accounting majors. Occasional.

AFA 2300 CA-AS 3(3,0)
UCF Courses and Descriptions

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. Occasional.

AFC 1101C ECS-AFROTC 1(1,2)

AFC 1111C ECS-AFROTC 1(1,2)

AFC 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.

AFC 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.

AFC 3220C ECS-AFROTC 3(3,2)
Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.

AFC 3230C ECS-AFROTC 3(3,2)

AFC 4201C ECS-AFROTC 3(3,2)

AFC 4210C ECS-AFROTC 3(3,2)

AMH 1070 CAH-HIST 3(3,0)
Florida: People, Places, and History: An introduction to Florida, focusing on the state's History and its place in the world. Fall, Spring.

AMH 2010 CAH-HIST 3(3,0)

AMH 2010H CAH-HIST 3(3,0)

AMH 2020 CAH-HIST 3(3,0)
U.S. History: 1877-Present: Survey of U.S. History from 1877 to the present. May be taken before AMH 2010. Fall, Spring.

AMH 2020H CAH-HIST 3(3,0)

AMH 3370 CAH-HIST 3(3,0)
American Economic History: PR: AMH 2010 and AMH 2020, or C.I. An introduction to the economic development of the U.S., with emphasis on agriculture, labor, industrialization, transportation, and banking. Occasional.

AMH 3402 CAH-HIST 3(3,0)
History of the South to 1865: PR: AMH 2010 or AMH 2020 or C.I. Development of the southern colonies, beginning sectionalism, the cotton economy, and slavery. Calhoun's constitutional theories, secession, Civil War and its aftermath. Occasional.

AMH 3403 CAH-HIST 3(3,0)
History of the South Since 1865: PR: AMH 2010 and AMH 2020, or C.I. Reconstruction, the "solid South" and the racial dilemma, progressivism for whites only, southern literature, 20th-century economic, political and social changes, and the new Reconstruction. Occasional.

AMH 3422 CAH-HIST 3(3,0)

AMH 3425 CAH-HIST 3(3,0)

AMH 3441 CAH-HIST 3(3,0)

AMH 3442 CAH-HIST 3(3,0)
History of the Frontier: Western America: PR: AMH 2010 and AMH 2020 or C.I. The development of the trans-Mississippi West and its impact upon American history. Occasional.

AMH 3541 CAH-HIST 3(3,0)
U. S. Military History To 1900: PR: AMH 2010 and AMH 2020, U.S. military history from the colonial period to 1900 focusing on the creation of American military institutions, conduct of war, and influence on society. Occasional.

AMH 3545 CAH-HIST 3(3,0)

AMH 3558 CAH-HIST 3(3,0)

AMH 3610 CAH-HIST 3(3,0)
History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicanos, Puerto Ricans, and Cubans. Occasional.

AMH 3610 CAH-HIST 3(3,0)

AMH 3611 CAH-HIST 3(3,0)

AMH 3800 CAH-HIST 3(3,0)
Canadian History: Canada since Colonial times and the present, but with emphasis on the period since the British North America Act, 1867. Occasional.

AMH 4110 CAH-HIST 3(3,0)
Colonial America, 1607-1763: PR: AMH 2010 and AMH 2020, or C.I. The voyages of discovery, the origins of the thirteen colonies, and their political, economic, social, and religious life in the 17th and 18th centuries. Occasional.

AMH 4112 CAH-HIST 3(3,0)
The Atlantic World: PR: C.I. The impact and transforming effect of the Atlantic System on the peoples of Western Europe, Western Africa, the Caribbean and the Americas. Occasional.

AMH 4130 CAH-HIST 3(3,0)

AMH 4140 CAH-HIST 3(3,0)
Oecumenical America: PR: AMH 2010 and AMH 2020, or C.I. The Confederation era, the Federalists, Jeffersonian Democracy, and the War of 1812. Occasional.

AMH 4160 CAH-HIST 3(3,0)
Jacksonian America: PR: AMH 2010 and AMH 2020, or C.I. The risk of American nationalism, Jacksonian Democracy, the Mexican War, and sectional conflict. Occasional.

AMH 4170 CAH-HIST 3(3,0)

AMH 4201 CAH-HIST 3(3,0)
The Gilded Age and Progressivism: PR: AMH 2010 and AMH 2020, or C.I. The Rise of Industrialized and Urbanized America, the Emergence of the New South and the New West, the Populist Movement, overseas expansion, Progressivism. Occasional.

AMH 4231 CAH-HIST 3(3,0)
United States History: 1914-1939: PR: AMH 2010 and AMH 2020, or C.I. The progressive reforms of Woodrow Wilson, World War I, post-war prosperity, the Depression, the New Deal, and the coming of World War II. Occasional.

AMH 4270 CAH-HIST 3(3,0)

AMH 4273 CAH-HIST 3(3,0)

AMH 4311 CAH-HIST 3(3,0)
American Culture I: PR: AMH 2010 and AMH 2020, or C.I. The European Backgrounds: Puritanism; Enlightenment; the Transformation; Revolutionary Thought; Romanticism; the Southern Mind and the Yankee Response; Popular Culture and the rise of recreation. Occasional.
UCF Courses and Descriptions

ANG 5167 COS-ANTHRO 3(3,0)
Maya Hieroglyphs: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the 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, Inequality and Global Development: PR: Admission to Anthropology MA., Maya Studies graduate certificate, or C.I. Origins and contemporary ramifications of underdevelopment and disempowerment in the world system from an anthropological perspective. Occasional.

ANG 5301 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies graduate certificate, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5486 COS-ANTHRO 3(3,0)
Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate systems, assessment of reliability, and approaches for small samples. Even Fall.

ANG 5525C COS-ANTHRO 4(3,1)
Human Osteology: PR: Admission to the Anthropology MA. program or C.I. The human skeleton and the methodology and techniques involved in the anthropological assessment of skeleton remains. Fall.

ANG 5531 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: Admission to Anthropology MA., Maya Studies GC, or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3,0)
Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross-cultural issues that affect cultural competency. Occasional.

ANG 5738 COS-ANTHRO 3(3,0)
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropological approaches to the study of health and disease. Occasional.

ANG 5742 COS-ANTHRO 3(3,0)
Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Even Spring.

ANG 5822 COS-ANTHRO 3(3,0)
Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary field research in the Maya area. Spring.

ANT 2000H COS-ANTHRO 3(3,0)

ANT 2140 COS-ANTHRO 3(3,0)
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0)
Cultural Anthropology: Global Perspectives, Local Contexts: An introduction to human diversity, conceptualized as exemplified among various cultures and ethnic groups. Fall, Spring.

ANT 2511 COS-ANTHRO 3(3,0)
The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3,0)
Honors The Human Species: PR: Permission of Honors. Human biological variation in an evolutionary perspective. Fall.

ANT 2511L COS-ANTHRO 1(0,1)
Physical Anthropology Lab: PR: or C.R. ANT 2511 or C.I. General overview of physical anthropology laboratory methods. Fall, Spring.

ANT 3026 COS-ANTHRO 3(3,0)
Mummies, Zombies, and Vampires: Anthropology of the Undead: PR: Sophomore standing. Anthropological exploration into the phenomenon of the undead (namely, zombies, vampires and mummies) and our fascination with this subject. Occasional.

ANT 3106 COS-ANTHRO 3(3,0)
Archaeology and Popular Culture: PR: Sophomore standing. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3,0)
Archaeological Method and Theory: PR: ANT 2140 or C.I. An introduction to basic archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Fall.

ANT 3142 COS-ANTHRO 3(3,0)
Old World Prehistory: PR: Sophomore Standing. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Fall.

ANT 3145 COS-ANTHRO 3(3,0)
Archaeology of Complex Societies: PR: ANT 2140 or C.I. Theoretical perspectives on ancient hierarchies of power. Fall, Spring.

ANT 3148 COS-ANTHRO 3(3,0)
Life and Death in Ancient Egypt: PR: Sophomore standing. Use of archaeology and physical anthropology to examine the lives and deaths of both common citizens and royalty in Ancient Egypt (3200 BCE-AD 600). Spring.

ANT 3152 COS-ANTHRO 3(3,0)
Cliffs, Canyons, and Deserts: Ancient Societies of the Greater Southwest: PR: Sophomore Standing or C.I. A description of the prehistoric Native peoples of the U.S. Southwest, from the region's first colonists to Puebloan and Navajo groups of the Contact era. Even Fall.

ANT 3154 COS-ANTHRO 3(3,0)
A Survey of American Historical Archaeology: PR: Sophomore Standing or C.I. Examinations of the prehistoric and historic period. Even Fall.

ANT 3158 COS-ANTHRO 3(3,0)
Florida Archaeology: PR: Sophomore standing. Florida prehistory from Paleo-Indian to Euroamerican contact including archaeological periods, cultural areas, sites, and artifacts. Spring.

ANT 3160 COS-ANTHRO 3(3,0)
Americas Before Columbus: PR: Sophomore standing. Archaeological developments of North, Central, and South America from the hemisphere's initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3,0)
Ancient Mexico: Aztec to Zapotec: PR: Sophomore Standing or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaic civilizations. Occasional.

ANT 3163 COS-ANTHRO 3(3,0)
Mesoamerican Archaeology: PR: Sophomore standing. An introduction to the prehistory of Mexico, Guatemala and upper Central America from earliest times through the Spanish conquest. Fall.

ANT 3164 COS-ANTHRO 3(3,0)
Ancient Incas: PR: Sophomore standing, or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnohistorical, historical, and contemporary anthropological sources. Spring.

ANT 3165 COS-ANTHRO 3(3,0)
Archaeology of South America: PR: ANT 2140, or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

ANT 3168 COS-ANTHRO 3(3,0)
Maya Archaeology: PR: Sophomore standing. An introduction to the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3,0)

ANT 3174 COS-ANTHRO 3(3,0)
Battlefield Archaeology: PR: Sophomore Standing or C.I. Provide students an archaeological perspective of fields of combat and military infrastructure from the Classic period to the early 20th century. Odd Fall.

ANT 3177 COS-ANTHRO 3(3,0)

ANT 3179 COS-ANTHRO 3(3,0)
Australian Archaeology and Indigenous Cultures: PR: Sophomore Standing or C.I. Explore Indigenous peoples, both past and present, through historical and maritime archaeology, as a means of unraveling the full breadth of Australia’s rich indigenous cultures. Odd Fall.

ANT 3212 COS-ANTHRO 3(3,0)

ANT 3241 COS-ANTHRO 3(3,0)
Magic, Ritual, and Belief: PR: Sophomore standing. Patterns in religious behavior in various societies, with primary emphasis on myth, rites, taboo, and festival social phenomena. Fall, Spring.

ANT 3245 COS-ANTHRO 3(3,0)
Native American Religions: PR: Sophomore standing. The religious beliefs of native New World peoples. Fall, Spring.

ANT 3262 COS-ANTHRO 3(3,0)

ANT 3273 COS-ANTHRO 3(3,0)
Law and Culture: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.
ANT 3275 COS-ANTHRO 3(3,0) Anthropological Perspectives on Refugees: PR: Sophomore standing or C.I. The culturally specific causes of refugee flows, responses to refugees, cultural issues refugees experience when they seek asylum, and resettlement experiences. Even Spring.

ANT 3302 COS-ANTHRO 3(3,0) Sex, Gender and Culture: PR: Sophomore standing. The biological and cultural roles of women and men viewed in a cross-cultural perspective. Fall, Spring.


ANT 3330 COS-ANTHRO 3(3,0) Anthropology of the Amazon: PR: Sophomore Standing or C.I. The historical ecology and archaeology of indigenous Amazonians, including evidence from archaeological, ethnographic and linguistic studies. Occasional.


ANT 3393 COS-ANTHRO 3(3,0) American Indian Literature and Culture in Florida: PR: ENC 1102. Literature about the Apalachee, Timucua, Seminole, and Calusa tribes in Florida, examining various issues through the cultures and legends, treaties, archival sources. Occasional.


ANT 3541 COS-ANTHRO 3(3,0) Biobehavioral Anthropology: PR: Sophomore standing. An introduction to the study of human behavior in terms of mutual interaction between human biology and cultural environments. Fall.

ANT 3550C COS-ANTHRO 3(2,1) Primatology: PR: One of the following; ANT 2511, BSC 2100C, 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. Fall, Spring.

ANT 3701 COS-ANTHRO 3(3,0) Engagement & Social Change: Public Anthropology: PR: Sophomore Standing or C.I. Application of anthropological methods to current human problems such as the environment, migration, globalization and health. Even Fall.

ANT 3843 COS-ANTHRO 3(3,0) Caribbean Archaeology Practicum: PR: Previous fieldwork is preferred, and C.I. Field archaeology by participating in field schools at prehistoric Lucayan sites on Eleuthera and/or Inagua islands. May be used in the degree program a maximum of 2 times. Occasional.

ANT 4013 COS-ANTHRO 3(3,0) Anthropology of Fast Food: PR: ANT 2000 or ANT 2410 or C.I. Anthropological research of corporate fast food in diverse cultural settings. Occasional.

ANT 4027 COS-ANTHRO 3(3,0) Mummies, Life After Death: PR: ANT 2511 or C.I. Cultural practices and beliefs surrounding death; the concerns cultures and humans have had throughout the ages about the body's life after life; and their attempts to prevent decay and preserve bodies in a state as near to life as possible. Occasional.

ANT 4034 COS-ANTHRO 3(3,0) History of Anthropological Thought: PR: ANT 2410 or C.I. The exploration of the intellectual foundations of modern anthropology. Fall, Spring.

ANT 4153 COS-ANTHRO 3(3,0) North American Archaeology: PR: Sophomore standing. The cultural development of Native North Americans from prehistoric times to the period of the first European contact. Spring.

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. Spring.

ANT 4183 COS-ANTHRO 3(3,0) Archaeological Sciences: PR: One of the following; ANT 2511, CHS 3501, any 4000 level Criminal Justice course, 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 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. Odd Spring.


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 4332 COS-ANTHRO 3(3,0) People and Cultures of Latin America: PR: One of the following: ANT 2000, SYG 2000, PSY 2012, ANT 2410, or C.I. History and society of the peoples of Latin America, emphasizing patterns of subsistence and social organization. Odd Fall.


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. Even Fall.

ANT 4406 COS-ANTHRO 3(3,0) Pain and Suffering: The Anthropology of Violence: PR: ANT 2511 or ANT 2410. Study the phenomenon of violence in human societies by exploring anthropological perspectives and theories based in human evolutionary biology, archaeology, forensics, and ethnology. Even Spring.

ANT 4408 COS-ANTHRO 3(3,0) Culture, Disease, and Healing: PR: Sophomore Standing or C.I. The role of culture in shaping the experience and perceptions of health, sickness, and well-being in a variety of contexts. 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. Fall.

ANT 4467 COS-ANTHRO 3(3,0) Nutritional Anthropology: PR: ANT 2511 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 4480 COS-ANTHRO 3(3,0) Global Health in Anthropological Perspective: PR: ANT 2410 or C.I. The exploration of global health issues from an anthropological and cross-cultural perspective. Odd Fall.

ANT 4516 COS-ANTHRO 3(3,0) Human Biological Diversity: PR: ANT 2511 or BSC 2010C or C.I. Human biological variation and adaptation. Spring.

ANT 4521 COS-ANTHRO 3(3,0) Forensic Anthropology: PR: One of the following: ANT 2511, CHS 3501, any 4000 level Criminal Justice class, or C.I. The study of human skeletal remains in relation to a legal context. Fall.

ANT 4525C COS-ANTHRO 4(3,1) Human Osteology: PR: One of the following: ANT 4521, ZOO 3713C, ZOO 3733C, or C.I. The scientific study of human skeletal remains and the methodology and techniques involved in the anthropological assessment of skeletal remains. Fall.


ANT 4586C COS-ANTHRO 3(2,1) Human Origins: PR: ANT 2511 or C.I. The fossil evidence for human evolution from the australopithecines and the earliest members of the genus Homo. Fall, Spring.

ANT 4717 COS-ANTHRO 3(3,0) Culture, Inequality and Global Development: PR: Sophomore Standing or C.I. Anthropological perspective on origins and contemporary ramifications of underdevelopment and disempowerment in the world system. Odd Fall.


ANT 4824 COS-ANTHRO 9(9,0) Advanced Anthropological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.
ARA 1120C CAH-LANG  4(3,1)
Elementary Arabic Language and Civilization I: Introduces the student to Arabic language skills. Open only to students with no experience in the language. Fall.

ARA 1121C CAH-LANG  4(3,1)
Elementary Arabic Language and Civilization II: PR: ARA 1120C or C.I. Continuation of ARA 1120C. Spring.

ARA 1121C CAH-LANG  4(4,1)

ARA 2200 CAH-LANG  3(3,1)
Intermediate Arabic Language and Civilization I: PR: ARA 1121C or C.I. Development of language skills and cultural knowledge at the intermediate level. Occasional.

ARA 2201 CAH-LANG  3(3,0)
Intermediate Arabic II: PR: ARA 2200 or equivalent or C.I. Continuation of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

ARC 3181 CAH-SVAD  3(3,0)
Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Continued investigation of computer-aided design programs currently utilized by professional practices. Odd Spring.

ARC 3270 CAH-SVAD  3(3,0)
Professional Practice in Architecture: PR: ARC 3320 or C.I. Professional architecture practices in conjunction with supervised experiences at local, central Florida firms. Occasional.

ARC 3310C CAH-SVAD  3(1,3)

ARC 3320L CAH-SVAD  6(0,9)
Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

ARC 3321L CAH-SVAD  6(0,9)
Architectural Design 6: PR: ARC 3330L. Architectural design with a large scale urban context. Theory, methodology, and evolution of urban form in response to social, cultural, economic and technological forces. Odd Spring.

ARC 3463 CAH-SVAD  3(3,0)
Materials and Methods of Construction 2: CR: ARC 4323L. Methods of assembling and selecting materials; detailed systems of construction will be investigated. Even Spring.

ARC 3503 CAH-SVAD  3(3,0)
Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia College West or C.I.; CR: ARC 3320L. Principles of structural behavior in withstand gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-SVAD  3(3,0)

ARC 3743 CAH-SVAD  3(3,0)
Architectural History 3: CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1850, including architecture's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-SVAD  3(3,0)
Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4322L CAH-SVAD  6(0,9)
Architectural Design 7: PR: ARC 3321L. Control over architectural processes to solve design needs through appropriate program development and construction technology. Complete building as a final product emphasizing on urban and suburban housing projects. Odd Fall.

ARC 4323L CAH-SVAD  6(0,9)
Architectural Design 8: PR: ARC 4322L. Architecture design, focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

ARC 4620 CAH-SVAD  3(3,0)

ARE 2000 ED-TL&L  3(3,0)
Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00

ARE 3935 CAH-SVAD  12(0,12)
Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 3944 CAH-SVAD  3(2,3)
Community Arts Practicum: PR: C.I. A supervised experience for students to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TL&L  3(3,0)
Art for Exceptionalities: PR: Admission to the College of Education, Art Education Program or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental exceptionalities. Spring.

ARE 4260 CAH-SVAD  3(3,0)
Methods in Art Administration: PR: ARH 3620. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4351 ED-TL&L  3(3,0)
Teaching Art in the Elementary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to public school teaching; designing, implementing, analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee $5.00

ARE 4352 ED-TL&L  3(2,1)
Teaching Art in the Secondary School: PR: Admission into the Art Education Program or Art Education Minor. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring. M&S fee $5.00

ARE 4356 ED-TL&L  3(3,1)
Teaching Art Appreciation & Criticism in the Classroom: PR: ARH 2050 and ARH 3051. An examination of art appreciation programs and concepts toward planning curriculum for the study of art history, popular art, art criticism, and aesthetics for specific educational settings. Fall. M&S fee $8.00

ARE 4453 ED-TL&L  3(3,0)
Studio Experiences in Art Education: PR: Admission into the College of Education, Art Education Program required or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be used in the degree program a maximum of 3 times. Spring. M&S fee $5.00

ARE 5261 CAH-SVAD  3(3,0)
Art for Exceptionalities: Concepts, principles, and methods of integrating art processes into the education of the physically, emotionally, and mentally handicapped. Occasional.

ARE 5255 ED-TL&L  3(2,1)
Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupational orientation and other recreational areas. Occasional.

ARE 5359 ED-TL&L  4(4,0)
Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $5.00

ARE 5454 ED-TL&L  3(3,0)
Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee $10.00

ARE 5648 ED-TL&L  3(3,0)
Contemporary Visual Arts Education: PR: Graduate standing or C.I. Continued study of current programs and innovations in public school Visual Arts Programs. Occasional.

ARH 2050 CAH-SVAD  3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Fall.

ARH 2050H CAH-SVAD  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-SVAD  3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Spring.

ARH 2051H CAH-SVAD  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-SVAD  3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3471 CAH-SVAD  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 3610 CAH-SVAD  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-SVAD  3(3,0)

ARH 3632H CAH-SVAD  3(3,0)

ARH 3670 CAH-SVAD  3(3,0)
The Last Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.
ARH 3673 CAH-SVAD 3(3,0) Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. An in-depth survey of art from Mexico from the Mexican Academy post-independence to the 1980's. Occasional.

ARH 3674 CAH-SVAD 3(3,0) Latin American Popular Visual Culture: PR: ANT 4332 or C.I. Latin American popular culture beyond "fine art," produced in Latin America, the United States, and the Caribbean. Odd Spring.

ARH 3683 CAH-SVAD 3(3,0) Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular art. Occasional.

ARH 3710 CAH-SVAD 3(3,0) History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.

ARH 3713 CAH-SVAD 3(3,0) 20th Century Photographic History: PR: Junior Standing. The history of the evolution of still photography from the early 20th Century to contemporary practice. Occasional.

ARH 3720 CAH-SVAD 3(3,0) History of Prints: PR: ARH 2050 and ARH 2051 or C.I. Historical overview of printmaking in the Western world, surveying works by the "great printmakers." Occasional.

ARH 3728 CAH-SVAD 3(3,0) History of Illustration: PR: ARH 2050 and ARH 2051. Western illustration from ancient and medieval manuscripts through nineteenth century cartoon, caricature, book, magazine illustration, and advertising. Occasional.

ARH 3820 CAH-SVAD 3(3,0) Visual Arts Administration: PR: Junior Standing or C.I. Grant applications, Personnel, copyright, laws, museum practices, etc. Occasional.

ARH 3842 CAH-SVAD 3(3,0) Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. Occasional.

ARH 4130 CAH-SVAD 3(3,0) Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.

ARH 4150 CAH-SVAD 3(3,0) Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.

ARH 4200 CAH-SVAD 3(3,0) Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.

ARH 4310 CAH-SVAD 3(3,0) Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.

ARH 4350 CAH-SVAD 3(3,0) Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.

ARH 4352 CAH-SVAD 3(3,0) Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.

ARH 4430 CAH-SVAD 3(3,0) 19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.

ARH 4450 CAH-SVAD 3(3,0) 20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of art from Fauvism, Futurism, Cubism to the art of the present. Occasional.

ARH 4540 CAH-SVAD 3(3,0) Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.

ARH 4653 CAH-SVAD 3(3,0) Meso American Art: PR: Junior Standing or C.I. A survey of art from Mexico and Central America, from Pre-Colombia, through the Spanish Colonial, to the 20th century. Occasional.

ARH 4800 CAH-SVAD 3(3,0) Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning through time; art examples from various periods/cultures. Occasional.

ARH 4871 CAH-SVAD 3(3,0) Women in Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present as well as a study of the role Aesthetics and Ideology have played in determining representations of women in art. Occasional.

ARH 5897 CAH-SVAD 3(3,0) Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.

ART 2201C CAH-SVAD 3(2,4) Design Fundamentals-Two Dimensional: PR: C.I. Priority given to students whose major requires this course. Emphasis on two dimensional design problems, including problems in black and white and basic color theory. Fall, Spring. M&S fee $15.00

ART 2201C CAH-SVAD 3(2,4) Honors Design Fundamentals-Two Dimensional: PR: ART 2201C. Priority given to students whose major requires this course. Materials, processes/form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. Occasional.

ART 2203C CAH-SVAD 3(2,4) Design Fundamentals-Three Dimensional: PR: C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. Fall, Spring. M&S fee $45.00

ART 2300C CAH-SVAD 3(2,4) Drawing Fundamentals I: PR: C.I. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. Fall, Spring. M&S fee $10.00

ART 2300C CAH-SVAD 3(2,4) Honors Drawing Fundamentals I: PR: ART 2203 and Consent of Honors. Priority given to students whose major requires this course. Drawing as a means of formal organization. Introduction to problems in drawing methods and media. Emphasis on description techniques. Fall, Spring. M&S fee $10.00


ART 3332C CAH-SVAD 3(2,4) Screenprinting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Spring.

ART 3433C CAH-SVAD 3(2,4) Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Spring.

ART 3580C CAH-SVAD 3(2,4) Intermediate Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. Reinforces and extends methods and materials content of ART 2500C, and deals with issues of figurative painting. Fall, Even Spring. M&S fee $15.00

ART 3616C CAH-SVAD 3(3,0) Animation Production Methods: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. C.J. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional. M&S fee $15.00
ART 3618 CAH-SVAD 3(3,0)
Post-Production Design: PR: Sophomore Portfolio and "C" or better in FIL 3702C. Special effects and composting for computer animation and film. Focus on the use of After Effects, Premier and Photoshop software. Occasional.

ART 3643C CAH-SVAD 3(2,4)
Digital Effects & Compositing: PR: DIG 3951 and digital Character Animation specialization, or ART 3950 and DIG 4790c and declared Experimental Animation specialization. Special effects and composting for computer animation and film, focusing on the use of After Effects, Premier and Photoshop-compatible software. Fall.

ART 3709C CAH-SVAD 3(2,4)

ART 3761C CAH-SVAD 3(2,4)

ART 4645C CAH-SVAD 3(2,4)
Ceramic Handbuilding II: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee $35.00

ART 4720C CAH-SVAD 3(2,4)
Advanced Drawing: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and ART 3332C. May be repeated for credit. Fall, Spring.

ART 4950C CAH-SVAD 3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. May be repeated for credit. Even Fall, Spring. M&S fee $30.00

ART 4955C CAH-SVAD 3(2,4)
Advanced Ceramics: 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 $15.00

ART 4956C CAH-SVAD 3(3,1)

ART 4964C CAH-SVAD 3(2,4)

ART 4970C CAH-SVAD 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 4975C CAH-SVAD 3(2,4)

ART 5690 CAH-SVAD 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 "artselectronica" in the present. Spring.

ART 5694 CAH-SVAD 3(3,0)
Crosscultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of "artselectronica" in the present. Spring.

ART 5696 CAH-SVAD 3(3,0)
Design and Human Interactions: PR: Admission to MFA. Exploration and design of interface interactions systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design. Spring.

ART 5698 CAH-SVAD 3(3,0)
Concourse I: PR: ART 5910 and ART 5280 and ART 5694, or C.I. Digital reproduction of studio works. Fall. M&S fee $45.00

ART 5811C CAH-SVAD 3(3,1)
The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, marketing, and the marketing of art. Fall. M&S fee $45.00

ART 5910 CAH-SVAD 3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $45.00

ART 5941 CAH-SVAD 1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with the students will meet periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee $45.00

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 from the 16th century to the present. Occasional.

ASH 4233 CAH-HIST 3(3,0) Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. Occasional.

ASH 4243 CAH-HIST 3(3,0) History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraq: an in-depth look at the history of modern Iraq through a series of readings from Iraq's pre-Islamic past to the present day. Occasional.

ASH 4304 CAH-HIST 3(3,0) Women in China: PR: AMH 2010 and AMH 2020, or EUH 2000 and EUH 2001, or WOH 2012 and WOH 2022. Historical changes and continuities in experiences of Chinese women during the traditional period, the modern era, and contemporary times. Occasional.

ASH 4324 CAH-HIST 3(3,0) History & Culture of South Asia: PR: WOH 2022 or C.I. History and culture of South Asia from prehistory to the decline of the British Raj. Occasional.

ASH 4363 CAH-HIST 3(3,0) Imperialism & Decolonization in South Asia: PR: WOH 2022 or C.I. Socio-cultural, economic and political impact of imperialism and the subsequent decolonization in South Asia. Occasional.


ASH 4404 CAH-HIST 3(3,0) Modern China: PR: EUH 2000 and EUH 2001 or C.I. Political, social, economic, and cultural transformations undergone by China from about the 17th century to the present. Occasional.

ASH 4442 CAH-HIST 3(3,0) Modern Japan: PR: EUH 2000 and EUH 2001 or C.I. History of Japan from the end of the Tokugawa period to the present day. Occasional.

ASH 4550 CAH-HIST 3(3,0) History of Modern India: PR: WOH 2022 or C.I. History of India from decline of Moghuls in late 18th century to present. Occasional.

ASH 5229 CAH-HIST 3(3,0) History of the Middle East: PR: Graduate standing or C.I. Selected topics in the history of the modern Middle East. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

ASH 5408 CAH-HIST 3(3,0) Colloquium in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholarship in modern China including the rise of Communism, Chinese women and Sino-American relations. Occasional.

ASH 5485 CAH-HIST 3(3,0) U.S. China Relations: PR: Graduate standing or C.I. An in-depth study of the significant relations between China and the United States since the 18th century. Even Fall.

ASH 5925 CAH-HIST 3(3,0) Colloquium in South Asian History: PR: Graduate standing or C.I. Addresses key themes in South Asian history through selected readings. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

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 development of knowledge concerning Deaf culture. Fall, Spring.
BSC 3402C COS-BIOL 4(1,3)

BSC 3403C COM-BSBS 4(3,4)
Honors Quantitative Biological Methods: PR: Consent of Honors, BSC 2010C, MCB 3202C, CHM 2406. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall, Occasional.

BSC 3403C COM-BSBS 4(3,4)
Quantitative Biological Methods: PR: BSC 2010C, MCB 3202C, CHM 2406. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee $59.00

BSC 3424 COM-BSBS 3(0,3)
Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2054C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 3843L COS-BIOL 3(0,3)
Strategies for Biology Academic Mentoring: PR: Junior or senior standing. Review research findings, theory, models and techniques of academic counseling and career counseling. Grades will only be used in the degree program a maximum of 2 times. Occasional.

BSC 3949 COS BIOL 0(0,8)

BSC 4312C COS-BIOL 3(3,3)
Advanced Marine Biology: PR: BSC 3312 and a "C" (2.0) or better in PCB 3044. An advanced treatment of current issues in marine biology, emphasizing biodiversity and marine conservation through research, service-learning and field experiences. Even Spring. M&S fee $45.00

BSC 4330 COS-BIOL 3(3,0)
Invasion Biology: PR: A "C" (2.0) or better in PCB 3044, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422L COS-BIOL 1-(4)(0,3-12)
Biological Laboratory Techniques: PR: CHM 2210 and a "C" (2.0) or better in PCB 3044, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of biological laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434 COM-BSBS 3(3,0)
Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

BSC 4439 COM-BSBS 3(3,0)
Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4821 COS-BIOL 4(4,0)
Biogeography: PR: A "C" (2.0) or better in both PCB 3044 and PCB 4833, or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(0,3)
SL Sustainability: Socially & Economically Viable Environmental Protection: PR: A "C" (2.0) or better in BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4937 COS-BIOL 2(0,2)
Instructional Experiences in Undergraduate Biology Teaching: PR: PCB 3663, Biology major with 80 semester hours and 3.0 gpa. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in a variety of university biology labs. Graded S/U. May be repeated for credit. Fall, Spring.

BSC 5258L COS-BIOL 3(0,3)
Tropical Biological Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3,0)
Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3,0)
Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(0,9)
Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological, organizational, technical, and practical skills about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee $15.00

BSC 5418 COM-BSBS 3(0,8)
Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. Occasional.

BSC 5436 COM-BSBS 3(3,0)
Biomedical Informatics: Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5518 COS-BIOL 3(0,8)
Phylogenetic Approaches in Biological Research: PR: Consent to Biology Department graduate program or C.I. A multidisciplinary approach to understanding evolutionary relationships among organisms using phylogenetic methods to address important questions in biology. Even Fall.

BSC 5824 COS-BIOL 4(4,0)
Biogeography: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee $15.00

BTE 4410 ED-CFCS 3(3,0)
Course Construction in Business Education: PR: ECT 3365 or C.I. Perspective and planning, natural language. Programming in Lisp or Prolog required. Fall.

BUL 3130 BA-ACCT 3(3,0)
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the roles of ethics in the decision-making process. Occasional.

BUL 4053 ECS-EECS 3(3,0)
Al for Game Programming: PR: COP 3502C with a grade of "C" (2.0) or better or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

BUL 4104 ECS-EECS 3(3,0)
AI and Machine Learning: PR: COP 3303 and COP 3502C each with a grade of "C" (2.0) or better. Perceptual, cognitive, affective, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

BUL 4453 ECS-EECS 3(3,0)
Robot Vision: PR: COP 3903C and MAC 2312 each with a grade of "C" (2.0) or better or C.I. Perspective and orthogonal projections; the processing of edges, regions, motion, shading, texture, object detection, recognition, and machine learning. Fall, Spring.

BUL 4630 ECS-EECS 3(3,0)
Artificial Intelligence: PR: COP 3503C with a grade of "C" (2.0) or better and COT 3960. Current methods in AI: knowledge-based systems, representation, inference, planning, natural language. Programming in Lisp or Prolog required. Fall.

BUL 4720 ECS-EECS 3(3,0)
Computer Graphics: PR: COP 3503C and MAC 1144 each with a grade of "C" (2.0) or better, and COT 3960. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics APIs. Occasional.

BUL 5015 ECS-EECS 3(3,0)
User Interface and Human-Computer Interaction: PR: Seniors 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.

BUL 5055 ECS-EECS 3(3,0)
Al for Game Programming: PR: CS Foundation Exam or EEL 4685C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

BUL 5066 ECS-EECS 3(3,0)
Web Application Authoring Tools: PR: Graduate standing and/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for; determining which tool is best suited for a particular application environment. Fall.

BUL 5100 ECS-EECS 3(3,0)
Human-Computer Interface Design: PR: COP 4931C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to web-based application design. Fall.
UCF Courses and Descriptions

CAP 5415 ECS-EECS 3(3,0)
Computer Vision: PR: COP 3503C, MAC 2312 and COT 3500; image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5510 ECS-EECS 3(3,0)
Bioinformatics: PR: Background in programming language or molecular biology. This course introduces problems solving algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECS-EECS 3(3,0)
Evolutionary Computation: PR: CAP 4630 or COP 3503C or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.

CAP 5610 ECS-EECS 3(3,0)

CAP 5636 ECS-EECS 3(3,0)

CAP 5752 ECS-EECS 3(3,0)
Computer Graphics I: Architecture of graphics processors, display hardware, principles of programming and display software; problems and applications of graphics systems. Spring.

CCE 4003 ECS-CECE 3(3,0)
Introduction to the Construction Industry: PR: EGN 3613, ENV 3301, EGN 3310 all with a grade of "C" (2.0) or better; CR: CWR 3201. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

CCE 4004 ECS-CECE 3(3,0)
Construction Methods: PR: CES 4100C with a grade of "C" (2.0) or better. Introduction to construction methods, and structural systems, design of temporary structures, safety, and building codes. Spring.

CCE 4034 ECS-CECE 3(3,0)
Construction Estimating and Scheduling: PR: CCE 4003 with a grade of "C" (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CECE 3(3,0)
Construction Equipment and Productivity: PR: CCE 4003, CWR 3201 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECS-CECE 3(2,2)
Construction Design Project: PR: CCE 4403, CCE 4404, CCE 4813 all with a grade of "C" (2.0) or better, and department consent; CR: CCE 4402. 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.

CCE 4813 ECS-CECE 4(4,0)
Mechanical and Electrical Systems for Buildings: PR: CCE 4403, PHY 2149C, CWR 3201 all with grades of "C" (2.0) or better. Design and construction of mechanical and electrical systems for buildings. Fall.

CCE 5006 ECS-CECE 3(3,0)
Infrastructure Systems Management: PR: CCE 4003 or C.I. Essential elements of infrastructure systems and core concepts, methods, and technologies essential for infrastructure life cycle engineering and management. Fall, Spring.

CCE 5205 ECS-CECE 3(3,0)
Decision Support for Infrastructure Projects: PR: CCE 4004 and CCE 4034, or C.I. Infrastructure decision-making theories, data representation for decision analysis, advanced methods in decision-making, and applications of decision support systems in infrastructure projects. Fall, Spring.

CCE 5220 ECS-CECE 3(3,0)
Sustainable Infrastructure Systems: PR: CCE 3947 3032. Introduction to the principles of sustainability as they relate to the built environment and infrastructure systems; sustainability metrics; life cycle assessment; resilience; green building principles. Spring.

CCJ 3014 HPA-CJ 3(3,0)
Crime in America: PR: Sophomore standing and ENC 1102. A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3024 HPA-CJ 3(3,0)
Criminal Justice System: PR: Sophomore standing and ENC 1102. An examination of the components and their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3450 HPA-CJ 3(3,0)
The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive management; administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-CJ 3(3,0)
Justice System Technology: PR: CCJ 3024 or C.I. Examination of the role of technology and the technology developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ 4(4,0)
Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in the criminal justice field, including management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 3667 HPA-CJ 3(3,0)
Victims and the Criminal Justice System: PR: CCJ 3024 or C.I. Elements of the role and impact of the victim in the justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 4035 HPA-CJ 3(3,0)
Criminal and the Media: PR: CCJ 3024 or C.I. Examination of the role of media in the justice system, criminal and crime portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4045 HPA-CJ 3(3,0)
Criminal Justice Ethics: PR: Junior Standing. Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4055 HPA-CJ 3(3,0)
Criminal Justice Dimensions of Genocide: PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. Occasional.

CCJ 4076 HPA-CJ 3(3,0)
Crime Intelligence and Investigative Support Analysis: PR: Junior Standing. Provides an understanding of basic crime intelligence and investigative support analytical tools and information management systems employed to assist law enforcement. Occasional.

CCJ 4129 HPA-CJ 3(3,0)
Cultural Diversity in Criminal Justice: PR: CCJ 3024 or (declared Victim Advocacy Certificate & Junior standing) or C.I. 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 4159 HPA-CJ 3(3,0)
Interviews & Interrogations in CJ: PR: CCJ 3024 or (Criminal Profiling or Crime Scene Investigation certificate declared & Junior standing) or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal evidence, and the rules of testimonial evidence. Fall, Spring.

CCJ 4296 HPA-CJ 3(3,0)
Human Trafficking & Victims: PR: CCJ 3014 or C.C. 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-CJ 3(3,0)
Death Penalty: PR: Sophomore standing and ENC 1102. An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

CCJ 4444 HPA-CJ 3(3,0)

CCJ 4451 HPA-CJ 3(3,0)
Drugs and Crime: PR: Sophomore standing and ENC 1102. Focuses on the problems of drugs and drug control in contemporary society. Students will examine the sources and effects of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ 3(3,0)
Human Rights and Criminal Justice: PR: CCJ 3024 or C.I. In-depth analysis of human rights movement and its potential impact upon criminal law, as well as the juvenile and criminal justice system. Occasional.

CCJ 4681 HPA-CJ 3(3,0)

CCJ 4690 HPA-CJ 3(3,0)
Sex Offenders and the Criminal Justice System: PR: (Junior standing and CCJ 3024 and CJ majors) or (Junior standing and Criminal Profiling or Victim Advocacy certificate declared) or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4694 HPA-CJ 3(3,0)

CCJ 4701 HPA-CJ 3(3,0)
Research Methods in Criminal Justice: PR: CCJ 3014 and CCJ 3024, or C.I. Overview of the social science research methodology used in criminal justice, covers the major forms of research designs used by social science and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4746 HPA-CJ 3(3,0)
Data Analysis for Criminal Justice: PR: CCJ 3010 or a grade of "C" or better in MAC 1105 or MGF 1106 or higher-level math class, or AA Degree, or C.I. Analytical methods useful for examining the types of data most often encountered in criminal justice research and develops the knowledge and understanding necessary to comprehend and interpret basic statistics in criminal justice research, literature and reports. Fall, Spring.
CCJ 5015 HPA-CJ 3(3,0) The Nature of Crime: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.J. 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 5456 HPA-CJ 3(3,0) The Administration of Justice: PR: Admission to Criminal Justice graduate program, graduate certificate program, or C.J. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CCJ 5931 HPA-CJ 3(3,0) Contemporary Criminal Justice Strategies: PR: Graduate standing or C.J. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be used in the degree program a maximum of 3 times. Occasional.

CCJ 5934 HPA-CJ 1(1,0) Criminal Justice Investigative Process: PR: Graduate standing or C.J. Advanced seminar providing students with a broad view of how the criminal justice investigative process operates. Focus on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

CDA 5100C ECS-Eecs 3(3,1) Computer Logic for Organization: PR: COP 3223C with a grade of “C” (2.0) or better; CR: COT 3100C or MIF 3302 or MAD 2104. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), performance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.

CDA 5106 ECS-Eecs 3(3,0) Advanced Computer Architecture: PR: EEL 4786C. Modern processor design, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 ECS-Eecs 3(3,0) Parallel Architecture and Algorithms: PR: COT 4210, CDA 5106. General-purpose versus special-purpose parallel computers; arrays, message-passing; shared-memory; taxonomy of parallelization techniques, communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

CEG 4011C ECS-Ece 3(4,2) Geotechnical Engineering I: PR: EGN 3331, CWR 3201 both with a grade of “C” (2.0) or better. Engineering properties and classification of soils. Design considerations for compaction, seepage, consolidation, and settlement analysis. Foundation considerations and bearing capacity. Fall, Spring. M&S fee $21.00

CEG 4012 ECS-Ece 3(3,0) Geotechnical Engineering II: PR: CEG 4011C with a grade of “C” (2.0) or better. Consolidation, shear strength, earth pressures and retaining walls, bearing capacity and slope stability. Fall, Spring.

CEG 4011C ECS-Ece 3(4,2) Geotechnical Engineering Design: PR: CEG 4011C with a grade of “C” (2.0) or better and department consent. Project course on design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee $14.00

CEG 4014C ECS-Ece 3(3,0) Geotechnical Engineering III: PR: CEG 4011C with a grade of “C” (2.0) or better. Structural analysis, design of structures, and laboratory exercises on behavior of structures and mechanics, analysis of determine and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. Fall, Spring. M&S fee $21.00

CEG 4025 ECS-Eecs 3(3,0) Software Development II: PR: CEN 3024 or C.J. A continuation of Software Development I w 1 larger and more complex projects. Enterprise-level applications are covered including distributed and web-based systems using n-tier architecture. Fall.

CEG 4333 ECS-Eecs 3(3,0) Advanced Database Development: PR: COP 3330 or C.I. Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-oriented frameworks. Hands-on exercises with current RDBMS software. Spring.

CEG 4350 ECS-Eecs 3(3,0) Open Source Web Technologies: PR: COP 3330 or C.J. Web application development using currently popular open-sourced/open-standard tools. User-interface, the business layer, database, and deploying to the web-server. Spring.

CEG 4360 ECS-Eecs 3(3,0) Mobile Device Software Development: PR: COP 3330 or C.I. Concepts and practices of software development for mobile devices. User interface, data persistence, data communication, use of APIs for sound, mapping, GPS, sensors, etc. Fall.


CEG 4802 ECS-Eecs 3(3,0) Software Integration, Configuration, and Testing: PR: CEN 3024 or equivalent or C.I. Addresses approaches and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together. Fall.

CEN 4910 ECS-Eecs 3(3,0) Software Development Project: PR: CEN 4025 or C.I. A software development project using the skills acquired from Software Development I & II. Working in teams, students develop a software system, simulating an industry experience. Spring.

CEN 5016 ECS-Eecs 3(3,0) Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.


CEN 5326 ECS-Eecs 3(3,0) Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CEN 5700 ECS-Ece 3(3,0) Geo-Environmental Engineering: PR: CEG 4011C or GEO 4005. Geotechnical responses to environmental problems, groundwater flow, soil contamination and groundwater contaminant transport, geosynthetics and stability of landfill design, control of contaminated sites. Occasional.

CEN 6025 ECS-Eecs 3(3,0) Software Development: PR: CEN 3024 or C.J. A continuation of Software Development I w 1 larger and more complex projects. Enterprise-level applications are covered including distributed and web-based systems using n-tier architecture. Spring.

CEN 4605 ECS-Eecs 3(3,0) Mobile Device Software Development: PR: COP 3330 or C.I. Concepts and practices of software development for mobile devices. User interface, data persistence, data communication, use of APIs for sound, mapping, GPS, sensors, etc. Fall.

CEN 4333 ECS-Eecs 3(3,0) Advanced Database Development: PR: COP 3330 or C.I. Professional-level database access from object-oriented systems, including complex SQL queries and stored procedures. Use of object-oriented frameworks. Hands-on exercises with current RDBMS software. Spring.

CEN 4350 ECS-Eecs 3(3,0) Open Source Web Technologies: PR: COP 3330 or C.J. Web application development using currently popular open-sourced/open-standard tools. User-interface, the business layer, database, and deploying to the web-server. Spring.

CEN 4360 ECS-Eecs 3(3,0) Mobile Device Software Development: PR: COP 3330 or C.I. Concepts and practices of software development for mobile devices. User interface, data persistence, data communication, use of APIs for sound, mapping, GPS, sensors, etc. Fall.


CEN 4802 ECS-Eecs 3(3,0) Software Integration, Configuration, and Testing: PR: CEN 3024 or equivalent or C.I. Addresses approaches and issues associated with integration of software subsystems and components into one system to ensure that the subsystems function together. Fall.

CEN 4910 ECS-Eecs 3(3,0) Software Development Project: PR: CEN 4025 or C.I. A software development project using the skills acquired from Software Development I & II. Working in teams, students develop a software system, simulating an industry experience. Spring.

CEN 5016 ECS-Eecs 3(3,0) Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.


CEN 5326 ECS-Eecs 3(3,0) Web Server Configuration and Maintenance: PR: COP 3502C, CNT 3004, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.
Introduction to Computers:
CGS 1060C ECS-EECS 3(2,2)

course covers digital literacy, analysis of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.

Computer and Network Security:
CGS 4663 ECS-EECS 3(3,0)
with a grade of "C" (2.0) or better. Develops tools and techniques of page layout and formatting for documents and newsletters. Presentation techniques, construction of web pages and design of integrated websites. Occasional.

Wide Area Networks:
CET 4748 ECS-EECS 3(3,0)
with traffic and access devices. Multilocal-access and mesh network design. Spring.

Civil Engineering Materials:
CGN 3501C ECS-CECE 3(2,3)
and in CHM 1440 or CHM 2045C or CHM 2041. The characteristic of materials used in civil engineering works to include concrete, bituminous polymers and composite materials. Occasional. M&S fee $30.00

Civil Engineering Measurements:
CGN 4700C ECS-CECE 4(3,2)
and PHY 2040C both with a grade of "C" (2.0) or better. This course covers engineering measurement, data analysis, hardware of experiments including electronics, system components, and calibration, with specific applications in civil engineering. Spring. M&S fee $30.00

CECE Capstone Design:
CGN 4808C ECS-CECE 3(3,0)
CCP "C" (2.0) or better in a previous CECE design course and department consent. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall, Spring.

Asphalt Concrete Mix Design:
CGN 5506C ECS-CECE 3(2,2)
Property of asphalt, aggregate and mixtures, Marshall mix design, Rvemix mix design, pavement rehabilitation. Occasional.

Monitoring for Infrastructure Systems:
CGN 5577 ECS-CECE 3(3,0)
One of the following: CES 4100C, ENV 4120, ENV 4561, CWR 4203C, CWR 4101C or CEE 4004. Applications of modern instrumentation and data processing technologies to infrastructure monitoring and assessment. Topics in current and state-of-the-art monitoring techniques. SHM for infrastructure systems, and case studies on performance-based evaluation. Odd Spring.

Introduction to Computers:
CGS 1060C ECS-EECS 3(2,1)
uses of computers in business, including business applications, commercial packages, and the internet. Not open to Computer Science majors. Fall, Spring.

Computer Fundamentals for Business:
CGS 2100C ECS-EECS 3(2,1)
S. tool box usage. May be repeated for credit. Fall.

Database Concepts:
CGS 2545C ECS-EECS 3(2,1)
level programming course (C, Java, C++, C#) with a grade of "C" (2.0) or better. Design, evaluation, relational database management systems, normal forms, performance or databases, report generation. Fall, Spring.

Desktop/Internet Publishing:
CGS 2585C ECS-EECS 3(2,1)
level programming course (C, Java, C++, C#) with a grade of "C" (2.0) or better. HTML coding, using images, sound and animation, advanced text formatting, forms and CSS scripts, introduction to javascript. Fall, Spring.

Computer Architecture Concepts:
CGS 3269 ECS-EECS 3(3,0)
CPU organizations, current and state-of-the-art monitoring techniques, SHM for infrastructure systems, and case studies on performance-based evaluation. Fall, Spring.

Internet Applications:
CGS 3175 ECS-EECS 3(3,0)
level programming course (C, Java, C++, C#) with a grade of "C" (2.0) or better. HTML coding, using images, sound and animation, advanced text formatting, forms and CSS scripts, introduction to javascript. Fall, Spring.

Operating System Concepts:
CGS 3763 ECS-EECS 3(3,0)
level programming course (C, Java, C++, C#) with a grade of "C" (2.0) or better. System calls, concept of processes, CPU scheduling, security issues, client server paradigms, and computer supported workgroups. Occasional.

Introduction to Informatics:
CGS 4144 ECS-EECS 3(3,0)
and Department, and may be dropped from the class. Fall, Spring. M&S fee $54.00

Chemistry Fundamentals I:
CHM 1032 COS-CHEM 3(3,0)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.

Chemistry Laboratory:
CHM 1032L COS-CHEM 1(0,3)
Chemistry, or permission toward Health Science majors. The "NC" grading policy applies to this course. Fall, Spring.

Chemistry Fundamentals IA:
CHM 2040 COS-CHEM 3(3,0)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.

Chemistry Fundamentals II:
CHM 2040C COS-CHEM 3(3,0)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.

Chemistry Fundamentals I:
CHM 2045C COS-CHEM 4(3,1)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.

Chemistry Fundamentals II:
CHM 2045C COS-CHEM 3(3,0)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.

Chemistry Fundamentals I:
CHM 2046 COS-CHEM 3(3,0)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.

Chemistry Fundamentals II:
CHM 2046C COS-CHEM 4(3,3)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.

Chemistry Fundamentals Laboratory:
CHM 2046L COS-CHEM 4(3,3)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.

Introduction to Organic and Biochemistry:
CHM 2205 COS-CHEM 5(5,0)
Chemistry majors. The "NC" grading policy applies to this course. Fall, Spring.
CHM 2210 COS-CHEM 3(3,0) Organic Chemistry I: PR: A 'C' (2.0) or better in CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectroscopic techniques. Fall, Spring.

CHM 2211L COS-CHEM 2(0,6) Organic Laboratory Techniques I: PR: CHM 2210 and CHM 2211. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

CHM 3120 COS-CHEM 3(3,0) Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and CHM 3210. Experiments and exercises. Fall, Spring.

CHM 3120 L COS-CHEM 1(0,3) Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and CHM 3210. Experiments and exercises. Fall, Spring.

CHM 3120L COS-CHEM 1(0,6) Organic Laboratory Techniques II: PR: CHM 2210. Priority will be given to students whose major requires this course. Introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. Workshops and laboratory sessions extending beyond the mandatory lecture and laboratory periods. Fall, Spring.

CHM 4100C COS-CHEM 2(0,6) Inorganic Chemistry Laboratory: PR: CHM 3120 and CHM 4130. Experimental exercise of the principles of inorganic chemistry, dealing with safety procedures and overall goals of the course. Fall, Spring.

CHM 4130L COS-CHEM 2(0,6) Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. Experimental exercise of the principles of advanced analytical chemistry, dealing with safety procedures and overall goals of the course. Fall, Spring.

CHM 4220 COS-CHEM 3(3,0) Organic Chemistry III: PR: CHM 2211 or its equivalent. Organic reaction mechanisms and retrosynthetic analysis and their application to synthetic chemistry. Even, Fall.

CHM 4610 COS-CHEM 3(3,0) Inorganic Chemistry Laboratory: PR: CHM 3411. A discussion of descriptive inorganic chemistry based on various bonding theories, thermodynamics, and kinetics. Spring.

CHM 4914C CHM 4914C Undergraduate Research Methods: PR: CHM 2211 or C.I. Selection of a research project, instruction in literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.

CHM 4920 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, Spring.

CHM 4931 COS-CHEM 1(1,0) Chemistry Seminar II: PR: CHM 4930. Serves as a capstone experience at the undergraduate level. Fall, Spring.

CHM 5225 COS-CHEM 3(3,0) Advanced Organic Chemistry II: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

CHM 5235 COS-CHEM 3(3,0) Applied Molecular Spectroscopy: PR: CHM 3120 and CHM 2211, or graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5333 COS-CHEM 3(3,0) Applied Biological Organic Chemistry: PR: CHM 3120, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of bioactivity, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

CHM 5450 COS-CHEM 3(3,0) Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

CHM 5451C COS-CHEM 3(1,5) Techniques in Polymer Science: PR: CHM 2211 and CHM 3140, and graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Spring. 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 3(2,3) Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glasses, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHM 1440 COS-CHEM 4(3,1) Chemistry for the Forensic Science Major: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving, including atomic structure, states of matter, stoichiometry, equilibria, electrochemistry, and thermodynamics. The "NC" grading policy applies to this course. Fall, Spring.

CHM 3501 COS-CHEM 3(3,0) Introduction to Forensic Science: CR: Preference will be given to students whose majors require this course. This course is open to majors and non-majors to provide an overview of the speciality areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2,6) Forensic Microscopy: CR: 'C' grade or better in CHM 2046 & L, and CHS 3501, or CR: PHY 2049C. The study of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee $69.00

CHS 3511C COS-CHEM 4(2,6) Trace Evidence: CR: '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 2(3,2) Bomb Scene Investigation: CR: 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: CR: 'C' grade or better in CHM 2211, or CR: CHS 3565C & CHM 3120, or C.I. Study of presumptive tests, identification, and instrumental techniques used in identification of controlled substances. Fall. M&S fee $68.00

CHS 3533 COS-CHEM 2(2,0) Forensic Biochemistry: CR: 'C' or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0,3) Forensic Biochemistry I Laboratory: CR: 'C' (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3333, PCB 3333L, and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1,3) Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0) Forensic Science in the Courtroom: PR: or CR: CHS 3501 or C.I., and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3598C COS-CHEM 0(0,8) Cooperative Education in Chemistry: CR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SU. May be repeated for credit. Occasional.

CHS 4506C COS-CHEM 3(2,3) Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3505C or C.I. Modern technology applied to forensic investigation. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 4515C</td>
<td>COS-CHEM</td>
<td>4(2,6)</td>
<td>Forensic Crime Scene Investigation: PR: Grade of C or better in CHS 351TC, or C.I. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.</td>
</tr>
<tr>
<td>CHS 4534C</td>
<td>COS-CHEM</td>
<td>3(1,6)</td>
<td>Forensic Biochemistry II: PR: CHS 3533C and C.I. Advanced treatment of the theoretical and practical aspects of forensic DNA analysis and the use of population genetics and genetic data analysis for evidence interpretation. Spring. M&amp;S fee $70.00</td>
</tr>
<tr>
<td>CHS 4537</td>
<td>COS-CHEM</td>
<td>2(2,0)</td>
<td>Forensic Laboratory Quality Assurance: PR: Grade of C or better in CHS 3501, CHS 3505C, and CHS 3533 or COP 3223C. S, C.I. Principles of quality systems management in forensic laboratories. Fall.</td>
</tr>
<tr>
<td>CHS 4541C</td>
<td>COS-CHEM</td>
<td>2(1,3)</td>
<td>Fire and Debris Analysis II: PR: CHS 3540C or C.I. An advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.</td>
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<tr>
<td>CHS 4591</td>
<td>COS-CHEM</td>
<td>4(0,40)</td>
<td>Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 400 hours) for a professional forensic laboratory. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>CHS 4615</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Odd Spring.</td>
</tr>
<tr>
<td>CHS 5502</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Principles of Forensic Science: PR: Admission to Forensic Science major, or C.I. Course acquaints students with basic procedures of crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Even Spring.</td>
</tr>
<tr>
<td>CHS 5504</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>Topics in Forensic Science: PR: Admission to Digital Forensics M.S. or Computer Forensics graduate certificate or C.I. History and current topics in Forensic Science. Fall.</td>
</tr>
<tr>
<td>CHS 5518</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.</td>
</tr>
<tr>
<td>CHS 5596</td>
<td>COS-CHEM</td>
<td>3(3,0)</td>
<td>The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Even Spring.</td>
</tr>
<tr>
<td>CJS 3921</td>
<td>ECS-ECCS</td>
<td>1(1,0)</td>
<td>Careers in IT: PR: COP 3223C and IT major. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.</td>
</tr>
<tr>
<td>CJS 3990</td>
<td>ECS-ECCS</td>
<td>0(0,0)</td>
<td>IT Career and Academic Advising I: PR: PHY 203C and IT major. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.</td>
</tr>
<tr>
<td>CJS 4004</td>
<td>ECS-ECCS</td>
<td>3(3,0)</td>
<td>Web-Based Information Technology: PR: CNT 3004 and COP 3330 each with grades of C (2.0) or better. Digital libraries, Media formats, Compression, Streaming Media. Mobile internet and WML. Emerging technologies. Capacity planning for web services. Fall, Spring.</td>
</tr>
<tr>
<td>CJS 4381</td>
<td>ECS-ECCS</td>
<td>3(3,0)</td>
<td>Secure Operating Systems and Administration: PR: CJS 3360 with a grade of C (2.0) or better. CR: COP 4600 or CJS 3763 or EEL 4882. Understanding of secure operating systems requirements, design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.</td>
</tr>
<tr>
<td>CJS 4524</td>
<td>ECS-ECCS</td>
<td>3(3,0)</td>
<td>Managing IT Integration: PR: CJS 3003 with a grade of C (2.0) or better. Requirements, acquisition and sourcing, Integration, Project management, Testing and QA. Organizational context. Architecture. Spring.</td>
</tr>
<tr>
<td>CJS 4615</td>
<td>ECS-ECCS</td>
<td>3(3,0)</td>
<td>Secure Software Development and Assurance: PR: (COP 4600 or CJS 3763) and (CIS 3360 or CIS 3362) or C.I. Thread modeling. Secure code life-cycle, Buffer overflows, race conditions and format string problems, Inputs and clients, File system, Cryptography applications, UML/Java, Security and Reverse engineering. Fall, Spring.</td>
</tr>
<tr>
<td>CJS 4691</td>
<td>ECS-ECCS</td>
<td>0(0,0)</td>
<td>IT Career and Academic Advising II: PR: CJS 3990 and department consent. Mandatory meeting with students and their faculty advisor for career/academic advising. Fall, Spring.</td>
</tr>
<tr>
<td>CJS 5105</td>
<td>ECS-ECCS</td>
<td>3(3,0)</td>
<td>Capacity Planning and Performance Evaluation of Web Applications: PR: COP 4600 graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Web performance problems, basic performance concepts, quantitative models for web performance, planning the capacity of web services, understanding and characterizing the workload, measuring performance. Occasional.</td>
</tr>
<tr>
<td>CJC 3010</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Corrections and Penology: PR: CJC 3024 or C.I. Theories, structures, and methods of institutional and non-institutional penology and the methods of convicted criminals and juvenile offenders. Fall, Spring.</td>
</tr>
<tr>
<td>CJC 3134</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Prisons and jails: PR: CJC 3010. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programming. Occasional.</td>
</tr>
<tr>
<td>CJC 3164</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Community-Based Corrections: PR: CJC 3024 and CJC 3010 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.</td>
</tr>
<tr>
<td>CJC 4410</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Correctional Interventions in Criminal Justice: PR: Junior Standing and CJC 3100. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.</td>
</tr>
<tr>
<td>CJC 5020</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Foundations of Corrections: PR: Admission to Criminal Justice graduate program, graduate certificate, or C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.</td>
</tr>
<tr>
<td>CJE 3001</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Careers in Criminal Justice: PR: Sophomore Standing and ENC 1102. Introductory course with focus on components of the Criminal Justice process (law enforcement, courts, and corrections) and employment opportunities within the criminal justice system. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 3444</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Crime Prevention: PR: Sophomore Standing and ENC 1102. An overview and analysis of crime prevention strategies used in the private and public sectors. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 3562</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>CJ Information Technology and Data Management: PR: Sophomore Standing and CJS 1060C or C.I. Designed to familiarize with concepts of databases, uses, and applicability to crime analysis. Occasional.</td>
</tr>
<tr>
<td>CJE 4012</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Criminal Profiling in Criminal Justice: PR: CJC 3014 or (Criminal Profiling or Crime Scene Investigation Certificate declared and Junior Standing) or C.I. Examines criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.</td>
</tr>
<tr>
<td>CJE 4014</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Police and Society: PR: CCJ 3024 or C.I. An examination of the varied roles of police in contemporary society. Focus is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.</td>
</tr>
<tr>
<td>CJE 4174</td>
<td>HPA-CJ</td>
<td>4(4,0)</td>
<td>Comparative Justice Systems: PR: CCJ 3024 and CJC 3510 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.</td>
</tr>
<tr>
<td>CJE 4352</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Policy Development in Law Enforcement: PR: Sophomore Standing and ENC 1102. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.</td>
</tr>
<tr>
<td>CJE 4410</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Community Policing: PR: Sophomore Standing and ENC 1102. The viability of community policing. The theoretical basis for community interventions are related to the specific operations required by community policing. Occasional.</td>
</tr>
<tr>
<td>CJE 4572</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Justice Agency Operations: PR: CCJ 3024 or C.I. Elements, functions, and processes essential to the continuing management of various criminal justice agencies, institutions and court systems. Occasional.</td>
</tr>
<tr>
<td>CJE 4610</td>
<td>HPA-CJ</td>
<td>3(3,0)</td>
<td>Criminal Investigation: PR: CJE 4014 or (Criminal Profiling or Crime Scene Investigation Certificate declared) or C.I. Course acquaints students with the basic procedures used in criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.</td>
</tr>
</tbody>
</table>
COM 3013 COS-COMM 3(3,0)
Communication and the Family: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. The ways members of a family unit interact verbally and nonverbally to influence one another. Fall, Spring.

COM 3022 COS-COMM 3(3,0)
Health Communication: PR: SPC 1608, SPC 1603C, COM 1000, or C.I. Theories and research about the role communication plays in health. Fall.

COM 3110 COS-COMM 3(3,0)
Business and Professional Communication: PR: I/O, Ad-PR, or I/O Com Majors or I/O Com Minors only, and one of the following: SPC 1608, SPC 1603C, or C.I. Theoretical and practical training in effective presentational speaking for business and professions. Fall, Spring.

COM 3110H COS-COMM 3(3,0)
Honors Business and Professional Communication: PR: Majors only, SPC 1608 or SPC 1603C or C.I. and consent of Honors. Theoretical and practical training in effective presentational speaking for business and professions. With Honors consent. Occasional.

COM 3120 COS-COMM 3(3,0)
Organizational Communication: PR: or CR: COM 3311, or C.I. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.

COM 3330 COS-COMM 3(3,0)
Computer Mediated Communication: PR: CSS 1060C or CGS 2100C. Communicating through computers. The foundations and applications of online and interactive multimedia applications, including trends and limitations. Spring.

COM 3332 COS-COMM 3(3,0)
Communication, Technology, and Change: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Fall, Spring.

COM 3406 COS-COMM 3(3,0)
Role of Motivation in Communication: PR: or CR: COP 3502C and COP 3503C. Identification and application of processes and methods that directly affect the process of human communication. Occasional.

COM 3800 COS-COMM 3(3,0)
Conflict Communication Research Methods: PR: SPC 1608, or SPC 1603, or COM 1000, or C.I. Survey of research methods used by conflict communication scholars; emphasis on approaches, methodologies, and analyses used to inform the process of human conflict communication. Fall, Spring.

COM 3801 COS-COMM 3(3,0)
Communication Theories of Interpersonal Conflict: PR: or CR: COM 3800. Examination of social dynamics, interpersonal behavior, and motivation in a variety of settings in order to analyze intergroup conflict, and violence reducing strategies and techniques. Fall, Spring.

COM 3802 COS-COMM 3(3,0)
Communication & Conflict: PR: or CR: COM 3800. Examination of major theories and concepts related to communication and conflict focusing on the influence of message content, relationships, and environments in multiple conflict scenarios. Fall, Spring.

COM 3912 COS-COMM 3(3,0)
Collaborative Experiential Research Practicum: PR: EVP 3039, SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

COM 4014 COS-COMM 3(3,0)
Gender Issues in Communication: PR: Junior Standing, and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Fall, Spring.

COM 4416 COS-COMM 3(3,0)
Terrorism and Communication: PR: One of the following: SPC 1603C, SPC 1600, 1000 or C.I. How terrorism is a communication process. How mass media symbols, linguistic devices, e-terrorism, and ideological dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall, Spring.

COM 4416H COS-COMM 3(3,0)
Honors Terrorism and Communication: PR: One of the following: SPC 1603C, or SPC 1608, or COM 1000 or C.I. and Consent of Honors. How terrorism is a communication process. How mass media symbols, linguistic devices, e-terrorism, and ideological dimensions play a role in terrorism. How communities respond to terrorist attacks. Occasional.

COM 4461 COS-COMM 3(3,0)
Intercultural Communication: PR: Junior Standing; and one of the following: SPC 1609, SPC 1603C, COM 1000, or C.I. Study of variables affecting messages and participants in intercultural contexts. Fall, Spring.

COM 4462 COS-COMM 3(3,0)
Conflict Management: PR: or CR: COM 3311, or C.I. The study of communication in everyday conflicts. Fall, Spring.

COM 4550 COS-COMM 3(3,0)

COM 4803 COS-COMM 3(3,0)
Third Party Processes & Intervention: PR: CR: COM 3800. Identify components and skills in multiple third party processes including mediation, arbitration, and facilitation; build conflict management and process design skills. Fall.

COM 4804 COS-COMM 3(3,0)
Conflict & Communication Context: PR: or CR: COM 3800. Exploration of communication factors that contribute to the development of conflict across groups, cultures and societies. Fall, Spring.

COM 4805 COS-COMM 3(3,0)
Transformational Conflict Resolution: PR: or CR: COM 3800. Examines various western and non-western belief/ethical systems, and how conflict may be perceived, communicated and interpreted using metaphorical approaches to conflict management. Fall.

COM 4806 COS-COMM 3(3,0)
Communication & Conflict Case Studies: PR: Senior Standing, or C.I. Application of communication and conflict theories to intercultural and community case studies, examining historical, political, and cultural elements of empowerment and peace-building. Spring.

COM 5932 COS-COMM 3(3,0)
Topics in Communication Theory and Research: PR: Admission to Communication M.A. program or C.I. In-depth examination of a particular area of communication theory and research, emphasizing major developments, current uses, implications for research, and overall impact on the field. Occasional.

COP 2500C ECS-EECS 4(3,1)
Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis, and survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

COP 3223C ECS-EECS 3(3,1)
Introduction to Programming with C: PR: Junior Standing; including array, pointer manipulation, and use of standard C math and IO libraries. Fall, Spring.
Honors Creative Writing: CRW 3010H CAH-ENG  3(3,0)
Creative Writing for Non-Majors: CRW 3013 CAH-ENG  3(3,0)
Creative Nonfiction Writing: CRW 3211 CAH-ENG  3(3,0)
Creative Fiction Writing: CRW 3411 CAH-ENG  3(3,0)
Advanced Fiction Writing Workshop: CRW 4122 CAH-ENG  3(3,0)
Science Fiction Writing: CRW 4123 CAH-ENG  3(3,0)
Advanced Poetry Writing Workshop: CRW 4320 CAH-ENG  3(3,0)
Advanced Scriptwriting Workshop: CRW 4616 CAH-ENG  3(3,0)
Editing for Creative Writers: CRW 4722 CAH-ENG  3(3,0)
Creative Writing in the Community: CRW 4804 CAH-ENG  3(3,0)
Creative Writing Service Learning: CRW 5948C CAH-ENG  3(2,1)
Engineering Fluid Mechanics: CWR 3201 ECG-3CECE  3(3,0)
Water Resources Engineering I: CWR 4032 ECG-3CECE  3(3,0)
Groundwater Hydrology: CWR 5125 ECG-3CECE  3(3,0)
Hydraulic Engineering: CWR 5205 ECG-3CECE  3(3,0)
Numerical Methods in Civil and Environmental Engineering: CWR 5515 ECG-3CECE  3(3,0)
Water Resources Engineering: CWR 5545 ECG-3CECE  3(3,0)
Water Resources in a Changing Environment: CWR 5634 ECG-3CECE  3(3,0)
Modern Dance I: CAH-THEA  2(2,1)
Introduction to Theatre Dance: DAA 2000C CAH-THEA  2(2,2)
Modern Dance II: DAA 2100C CAH-THEA  2(2,1)
DAA 2101C CAH-THEA 2(2,1)
Modern Dance I: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2100C and DAA 2200C. Intermediate exploration of form, style, and technique in creative movement, including practical class work and history lectures. Fall.

DAA 2200C CAH-THEA 2(2,1)
Ballet: PR: Theatre major, Dance minor, or department consent. Fundamentals of classical ballet; includes practical dance work as well as dance history lectures. Fall.

DAA 2201C CAH-THEA 2(2,1)
Ballet II: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C Tap CAH-THEA 2(2,1)
Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the basic fundamental movements of tap dance. Fall.

DAA 2521C CAH-THEA 2(2,1)
Tap Dance II: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2520C. Intermediate exploration of form, style, and technique of tap dance. Spring.

DAA 2570C CAH-THEA 2(2,1)
Jazz Dance I: PR: DAA 2200C, and Theatre major, or Dance minor, or department consent. Basic movements of American Jazz dance, including practical class work and Jazz dance history. Fall.

DAA 2571C CAH-THEA 2(2,1)
Jazz Dance II: PR: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2570C. Intermediate Jazz dance using theory and practice in jazz technique. Spring.

DAA 3004L CAH-THEA 10(0,2)
Dance Studio: PR: Theatre Major, Theatre Minor or Dance Minor and any DAA course offered by the Theatre Department. Periodic attendance at departmental dance classes with permission of individual instructors. Graded S/U. May be repeated for credit. Fall, Spring.

DAA 3208C CAH-THEA 2(2,1)
Ballet III: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2508C. Advanced classical ballet technique, including principles, theory, and practice technique. May be repeated for credit. Fall.

DAA 3580C CAH-THEA 2(2,1)
Jazz Dance III: PR: Theatre major, Dance minor, or department consent, and "C" (2.0) or better required in DAA 2571C. Advanced study of jazz dance, using theory and practice of jazz technique. May be repeated for credit. Fall.

DAA 3524C CAH-THEA 2(2,1)
Tap Dance: PR: Theatre major, Dance minor, or department consent, and C (2.0) or better required in DAA 2521C. Advanced exploration of form, style, and technique of tap dance. May be repeated for credit. Fall.

DAA 3612 CAH-THEA 3(3.0)
DIG 4380C CAH-SVAD 3(2,2) Computer as a Medium: PR: DIG 2500C and a minimum grade of "B" (3.0) in DIG 3000. Fundamentals of client-side scripting with an emphasis on web technologies. Development of interactive web sites using current scripting languages. Fall, Spring.

DIG 3525 CAH-SVAD 3(3,0) Digital Media Production I: PR: DIG 2030C, DIG 2100C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organizing, and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.


DIG 3554 CAH-SVAD 3(3,0) Digital Tools and Technologies: Web Design: PR: Grade of "C" (2.0) or better in DIG 2000 or C.I. Creative and functional website design and development using Adobe Dreamweaver, including use of CSS, HTML, and incorporation of media and mobile design. Fall, Spring.

DIG 3563 CAH-SVAD 3(3,0) Information Management and Entrepreneurship: PR: DIG 3525. Managing digital assets, both technical and fiducial aspects with sites towards creating, storing, retrieving assets, and authoring of databases and file types. Introduction of basic financial and entrepreneurial elements of starting and running a small business. Fall, Spring.

DIG 3716C CAH-SVAD 3(2,2) Internet Interaction: PR: DIG 3480C. Front end planning and design of web pages. Design using markup languages and style sheets to produce visually pleasing and usable interactive interfaces. Fall, Spring.

DIG 3811 CAH-SVAD 3(3,0) User-Centered Design: PR: DIG 3525. Applying knowledge about cognition and behavior to design usable interfaces and systems. Fall, Spring.

DIG 3951 CAH-SVAD 0(0,0) Character Animation Portfolio Review: PR: C.I. Review of relevant digital and artistic works in a student's portfolio. Graded S/U.

DIG 4104C CAH-SVAD 3(2,2) Web Design Workshop: PR: DIG 3134C, DIG 3716C, DIG 3953, and DIG 3811. Students will practice designing and implementing professional-quality websites. May be used in the degree program a maximum of 2 times. Fall, Spring.


DIG 4206C CAH-SVAD 3(1,4) New Imagery in Motion Workshop: PR: DIG 4325C, successful portfolio review, or C.I. Conceptual and technical aspects of scripting, image processing, 3D/2D data acquisition while practicing the use of generators, filters, particles, masks, and audio into digital projects. Spring.

DIG 4323C CAH-SVAD 3(1,4) Modeling for Visual Language: PR: DIG 4451C or C.I. Application of techniques taught to model, ng, and prepare visual characters so that they may be animated effectively and express narrative for digital production. Fall.


DIG 4325C CAH-SVAD 3(1,4) Look Modeling Workshop: PR: DIG 4780C and successful portfolio review, or C.I. Techniques: mechanisms of depth, developing polygon, look, emphasis on rendering, shading, texturing, and lighting. Spring.

DIG 4326C CAH-SVAD 3(1,4) Geometrical Modeling Workshop: PR: DIG 4780C and successful portfolio review or C.I. Techniques and mechanics of designing and manipulating geometric representations of artificial characters and their environments; introduction to procedural models. Spring.

DIG 4354C CAH-SVAD 3(1,4) Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced concepts and techniques developed in the previous 3D animation courses. Students apply techniques to 3D character animation. Spring.

DIG 4359C CAH-SVAD 3(1,4) Artificial Environments and Effects Workshop: PR: DIG 3350C and Successful portfolio review, or C.I. Techniques and mechanics of artificial environments, with emphasis on compositing, image processing, visual style, visual continuity. Spring.

DIG 4369C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3350C and successful portfolio review, or C.I. Techniques and mechanics of artificial characters, with emphasis on attitude in action, personality of character expressions, and bringing characters to life. Spring.

DIG 4373C CAH-SVAD 3(1,4) 3D Textures: PR: DIG 4323C or C.I. Advanced application of lighting and surface attributes, improving on the tools, concepts, and techniques learned in previous 3D courses. Spring.

DIG 4394C CAH-SVAD 3(1,4) Motion Graphics: Advanced Compositing: PR: DIG 4393C, successful portfolio review, or C.I. Advanced techniques including 3D modeling, texturing, lighting, particles, and compositing to create motion graphics. Manage and navigate objects, images and other media in visual narratives, as part of a narrative Content. Spring.

DIG 4395 CAH-SVAD 3(3,0) Motion Capture for Performance: PR: MAC 1105C, and DIG 3480C or TPA 2200, or C.I. Develop creative skills, learn theory and technology of motion capture systems for live and recorded dramatic performance, augmented & virtual reality, training, and educational applications. Spring.

DIG 4434C CAH-SVAD 3(1,4) Narrative Techniques in the Moving Image: PR: DIG 4451C, successful portfolio review, or C.I. Advanced application of techniques in Visual Language employed in story production focusing on advancing a narrative and evoking emotion. Spring.

DIG 4451C CAH-SVAD 3(3,0) Visual Storytelling and Visual Development Workshop: PR: DIG 3433C and successful portfolio review, or C.I. Techniques: mechanisms of visual development with emphasis on strong visual designs which communicate effectively. Odd Spring.

DIG 4455 CAH-SVAD 3(3,0) Interactive Performance II: PR: DIG 3450C or C.I. Continuation of Interactive Performance I, with focus on the integration of actors, audience participation, technology, and story structure. Spring.

DIG 4486C CAH-SVAD 3(1,4) Visual Language of Moving Image II: PR: DIG 3433C, successful portfolio review, or C.I. Application of techniques: layering and design, and the use of visual development, story board, story reel, character design, and animation that expresses a narrative for digital production. Fall.

DIG 4503 CAH-SVAD 3(3,0) Rapid Application Web Development: PR: DIG 3134 and DIG 3716C. The applications of web-based technologies using current server-side and client-side scripting techniques and database technologies. Spring.

DIG 4522 CAH-SVAD 3(3,0) Digital Media Service: PR: DIG 3035. Practicum in which students utilize digital media skills to create digital media rich products. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4526 CAH-SVAD 3(3,0) Digital Media Production II: PR: DIG 3525 and a minimum grade of "B" (3.0) or better in DIG 2000. Managers of and execution of large digital media projects, using structured methods and tools learned in Digital Media Production I. Fall, Spring.

DIG 4530C CAH-SVAD 3(2,2) Media for e-Commerce: PR: DIG 3134C and DIG 3716C. The applications of server-side internet programming languages and media theory to e-commerce, internet security, and online portals. Fall, Spring.

DIG 4624C CAH-SVAD 3(1,4) Digital Production in Artificial Environments: PR: DIG 3439C, successful portfolio review, or C.I. Techniques of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.

DIG 4693C CAH-SVAD 3(2,2) Production Software Workshop: PR: DIG 3134C or C.I. Advanced production techniques for a variety of web-based applications using Adobe software, including dynamic and input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704U CAH-SVAD 3(3,0) Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear story telling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713 CAH-SVAD 3(3,0) Game Design: PR: DIG 3024 and DIG 3625. Principles and theories of video game design, including software, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C CAH-SVAD 3(2,2) Game Production: PR: A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game design, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C CAH-SVAD 3(2,2) Casual Game Production: PR: DIG 2500C, a minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Students will learn to design and implement casual video games using professional tools and iterative design techniques. Fall, Spring.

DIG 4725C CAH-SVAD 3(2,2) Game Design Workshop: PR: DIG 4715C, FL 3720C, a minimum grade of "B" (3.0) in DIG 4713, and a satisfactory portfolio review. Students will learn to design and implement video games using professional tools and iterative design techniques. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 4780C CAH-SVAD 3(3,0) Modeling for Realtime Systems: PR: DIG 2100C and a minimum grade of "B" (3.0) in DIG 2000. Principles of construction of 3D models for real-time applications. Topics include level of detail management and efficiency versus visual quality for video games and simulation. Fall, Spring.

DIG 4855 CAH-SVAD 3(3,0) Converging Media Capstone: PR: GEB 3031 Cornerstone and 12 hours of restrictive electives within the Visual Arts and Emerging Media Management Track. Team based converging media projects leading to a capstone project that emphasizes creative thinking, prototyping, development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M.S fee $45.00.

DIG 5045C CAH-SFIA 3(1,3) Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.
UCF Courses and Descriptions

EAS 5407C  ECS-MECH/AERO  3(2,3)

EAS 5535  ECS-MECH/AERO  3(3,0)
Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of design processes to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

ECM 4504C  ECS-ECES  4(3,3)

ECO 2013  BA-ECON  3(3,0)
Principles of Macroeconomics: An introduction to the nature of the macroeconomy, national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

ECO 2013H  BA-ECON  3(3,0)

ECO 2023  BA-ECON  3(3,0)
Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

ECO 2023H  BA-ECON  3(3,0)
Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Occasional.

ECO 3070  BA-ECON  1(1,0)
Tutoring/Teaching Techniques for Undergraduate Economics: PR: Satisfactory completion of same course the student is tutoring. Prepare undergraduate students to more effectively learn economics concepts through tutoring/teaching. Graded S/U. May be used in the degree program a maximum of 4 times. Fall, Spring.

ECO 3101  BA-ECON  3(3,0)

ECO 3203  BA-ECON  3(3,0)

ECO 3223  BA-ECON  3(3,0)

ECO 3401  BA-ECON  3(3,0)
Quantitative Business Tools I: PR: ECO 2023, and MAC 1105C or MAC 1140C. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.

ECO 3410  BA-ECON  3(3,0)
Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. Spring.

ECO 3411  BA-ECON  3(3,0)
Quantitative Business Tools II: PR: Junior standing and business major or minor; ECO 2013, ECO 3401. The use of statistical methods and scientific tools in the analysis of economics and business problems. Fall, Spring.

ECO 3704  BA-ECON  3(3,0)

ECO 3803  BA-ECON  3(3,0)

ECO 4004  BA-ECON  3(3,0)
Managerial Economics: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Fall, Spring.

ECO 4112  BA-ECON  3(3,0)

ECO 4504  BA-ECON  3(3,0)

ECO 4713  BA-ECON  3(3,0)
International Macroeconomics: PR: ECO 3101 or ECO 3203 or ECO 3223. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Occasional.

ECO 4751  BA-ECON  3(3,0)
Law and Economics: PR: ECO 2013 and ECO 2023. Impact of law on economic behavior; how economic behavior affects the legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4902  BA-ECON  1(1,0)
Capstone in Economics: PR: ECO 3101, ECO 3203, ECO 3411, Senior Standing, Economics Major. Students use critical thinking and written communication to integrate and apply material learned in economics courses to economics policy problems and policies. Graded S/U. Fall, Spring.

ECO 4934  BA-ECON  3(3,0)

ECO 4941  BA-ECON  3(3,0)
Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3203. Supervised economics-related work experience in a pre-approved sponsoring organization. See department for information/application. Graded S/U. Fall, Spring.

ECP 3203  BA-ECON  3(3,0)
Labor Economics: PR: ECO 3101 or ECP 4703. The analysis of labor problems and issues in a dynamic economic system through the interaction of the four major institutions: households, firms, government, and unions. Occasional.

ECP 3302  BA-ECON  3(3,0)

ECP 4303  BA-ECON  3(3,0)
Environmental and Natural Resource Economics: PR: ECO 3101. Provide fundamental insights into the interdependence between energy use, environmental quality, and the economy at both the microeconomic and macroeconomic level. Odd Fall.

ECP 4403  BA-ECON  3(3,0)
Industrial Organization and Game Theory: PR: ECO 3101. A study of the performance of industries representative of various types of market structure and practices, as well as the public policies affecting these industries. Fall, Spring.

ECP 4530  BA-ECON  3(3,0)

ECP 4703  BA-ECON  3(3,0)

ECS 4013  BA-ECON  3(3,0)

ECT 3062  ED-CFCS  3(3,0)
Professional Roles of the Career & Technical Teacher: PR: ECT 3365 or C.I. Introduction into career and technical education teaching and the transition from industry to education. Occasional.

ECT 3365  ED-CFCS  3(3,0)

ECT 3367  ED-CFCS  3(3,0)

ECT 3371  ED-CFCS  3(3,0)
Course Construction in Industrial Education: PR: ECT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. Occasional.

ECT 4004  ED-CFCS  3(3,0)

ECT 4184  ED-CFCS  3(3,0)
Curriculum Development Techniques for Industry Training: The practical application of fundamental knowledge, important skills, alternative analysis methods, and the critical elements of the trainers analysis tasks. Spring.

ECT 4384  ED-CFCS  3(3,0)
Adapting Teaching Techniques for Career Education: PR: ECT 3365 or C.I. Developing techniques including cooperative learning, simulation, instructional modeling, and evaluation of instructional effectiveness. Fall.
ECT 4815 ED-CFCS 3(3,0) Safety in the Technical Education Classroom and Laboratory: PR: ECT 3325 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.

ECW 3312 ED-CFCS 3(3,0) Course Construction in Health Occupations Education: PR: ECT 3325 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.

ECW 3564 ED-CFCS 3(3,0) Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECT 5207 ED-CFCS 2-4(2-4,0) Management of Vocational Programs: PR: 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.

ECW 5265 ED-CFCS 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.

ECW 5561 ED-CFCS 2-3(2-3,0) Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used in teacher work samples, and help students plan for employment or further education. Occasional.

EDE 2280 ED-TL&L 3(3,0) Arts and Wellness in Elementary Classrooms: Provides the prospective teacher with knowledge, skills, and the dispositions to integrate arts and wellness into the elementary classroom curriculum. Fall, Spring.

EDE 3942 ED-TL&L 3(3,0) Internship I: PR: EGD 4410, RED 3012, RED 4519, MAE 3310, MAE 3311, TSL 4080. CR: MAE 4326, RED 4942, SCE 3310. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 3942H ED-TL&L 3(3,0) Honors Internship I: PR: MAE 2801, RED 3012, RED 4519, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher including professional study groups and seminars, teacher work sample methodology and just-in-time coaching. Odd Fall.

EDE 4223 ED-TL&L 3(3,0) Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee $10.00


EDE 4945 ED-TL&L 1(1,0) Internship II (Secondary): PR: All required program courses; CR: EDE 4943 Internship II. CULminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 2005 ED-TL&L 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-TL&L 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-TL&L 3(3,0) Introduction to Diversity for Educators: An introduction to cultural factors and their impact on education and teaching. Explores stereotyping, prejudice, and changing classroom demographics. Includes directed field experience. Fall, Spring.

EDF 2130 ED-TL&L 3(3,0) Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2250 ED-TL&L 3(3,0) Classroom Management for Substitute Teachers: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2510 ED-TL&L 3(3,0) Education and Nation Building: American Historical Perspectives: An historical analysis of why education is a central building in the U.S. and elsewhere, including education's impact on current policies and issues. Occasional.

EDF 2720 ED-TL&L 3(3,0) Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children's lives through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDF 2801 ED-TL&L 3(3,0) Global Perspectives on Education: National systems of education from a global perspective and exposure to the global and international challenges facing educators in the new millennium. Fall.

EDF 3120 ED-TL&L 3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Fall.

EDF 3601 ED-TL&L 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 4466 ED-TL&L 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EDF 4467H ED-TL&L 3(3,0) Honors Learning Theory and Assessment: PR: EDF 2005, EDF 2085, and EME 2040, or C.I. Application of learning theory and assessment principles to classroom teaching situations using a case study design, teacher work samples, and a theoretical/conceptual debate. Fifteen hour in-school experience required. Even Fall.

EDF 4603 ED-TL&L 3(3,0) Analysis and Application of Ethical, Legal, and Safety Issues: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-TL&L 3(3,0) Honors Analysis and Application of Ethical, Legal, and Safety Issues: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.

EDF 5245 ED-TL&L 3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.

EDF 5607 ED-TL&L 3(3,0) Language, Culture and Pedagogy: Impact and Applications: PR: C.I. Explores the 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-TL&L 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-TL&L 3(3,0) Foundations for Leadership in K-12 Settings: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4410 ED-TL&L 3(3,0) Teaching Strategies and Classroom Management: PR: EDP 2270, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 ED-TL&L 1-8(0,1-8) Directed Field Experience: PR: Approval of Professional Laboratory, Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-TL&L 3(0) Service Learning: PR: FSU 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 4954 ED-TL&L 3(3,0) International Education Field Experiences: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program. Students gain insights into global and local issues through educational and cultural experiences. Fall, Spring.

EDG 5356 ED-TL&L 3(3,0) Instructional Coaching: PR: Graduate standing or C.I. This course will prepare educators to become instructional coaches, developing skills and methods to impact student achievement by influencing teachers' instructional practices. Occasional.

EDG 5745 ED-TL&L 3(3,0) Teaching the Non-English Student: PR: C.I. and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 ED-TL&L 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.

EDP 2270 ED-TL&L 3(3,0) Bilingual Development in Learning: An examination of theory and research on adult learning and development with emphasis on practical applications, instruction, and technology use in educational and workplace settings. Fall, Spring.
UCF Courses and Descriptions

EDS 5356 ED-TL&L 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 standards of clinical supervision and assure attainment of the Florida Educator Completed Practices. Fall, Spring.

EEC 2732 ED-TL&L 3(3,0)
Health, Safety, and Nutrition for Young Children: Health, safety and legal issues in early childhood (0-8) including protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.

EEC 3008 ED-TL&L 3(3,0)
Early Childhood Children's Literature: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 3700, EEC 4661, RED 3310, and PET 4050C. A study of literature written for children ages birth through kindergarten, including an introduction to genres, authors and illustrators of children's books. Spring.

EIC 3214 ED-TL&L 3(3,0)

EEC 3613 ED-TL&L 3(3,0)
Observation and Assessment of Young Children: PR: Admission to the program. Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.

EEC 3700 ED-TL&L 3(3,0)
Social and Emotional Development of Young Children: PR: Admission into the Early Childhood Development and Education Program. Examines the child-centered learning environment, social and emotional development of the young child, and implications for curriculum development. Fall, Spring.

EIC 4207 ED-TL&L 3(3,0)

EIC 4211 ED-TL&L 3(3,0)
Science and Math Learning for Young Children: PR: Admission into Early Childhood Development and Education Program (Track 3), EEC 4300, and EEC 4528. Methodologies for teaching and assessing young children in mathematics and science concepts and skills through an integrated developmentally appropriate program. Fall.

EIC 4235C ED-TL&L 3(2,1)
Early Childhood Education Seminar: Bridging Theory to Practice: PR: TSL 4240, EEC 4268, EEC 3450 and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, SCE 4304. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

EIC 4260 ED-TL&L 3(3,0)
Early Childhood Program Evaluation: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 4300, and EEC 4528. Formal and informal evaluation techniques, methods and tools for implementing comprehensive evaluations of early childhood programs and policies and how they impact the program's stakeholders. Fall.

EIC 4268 ED-TL&L 3(3,0)

EIC 4303 ED-TL&L 3(3,0)
Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education Program or C.I. In instructional methods for teaching arts to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

EIC 4314 ED-TL&L 3(3,0)

EIC 4402 ED-TL&L 3(3,0)
Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EIC 4414 ED-TL&L 3(3,0)
Parent-Child Relations: PR: EEC 3700; EEC 4661; RED 3310; EEX 4751; LNU 3716; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. Fall, Spring.

EIC 4524 ED-TL&L 3(3,0)
Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to develop developmentally appropriate early childhood program. Occasional.

EIC 4528 ED-TL&L 3(3,0)
Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.

EIC 4604 ED-TL&L 3(3,0)

EIC 4661 ED-TL&L 3(3,0)

EIC 4744 ED-TL&L 3(3,0)
Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric clinical settings. Spring.

EIC 4936 ED-TL&L 3(2,0)

EIC 4940 ED-TL&L 12(0,12)
Practicum: Early Childhood Development: 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.

EIC 4942 ED-TL&L 9(0,9)
Practicum: Early Childhood Careers: PR: Admission into the Early Childhood Development and Education Program (Track 3), EEC 4414, EEC 4260, EEC 4314, and EEC 4211. 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. Spring.

EIC 4943 ED-TL&L 12(0,12)
Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

EIC 5205 ED-TL&L 3(3,0)
Programs and Trends in Early Childhood Education: PR: Regular Certificate or C.I. Organization of instruction and program for creative activities involving music, art, literature and computer programs. Fall.

EIC 5206 ED-TL&L 3(3,0)
Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Occasional laboratory experiences. Spring.

EIC 5208 ED-TL&L 3(3,0)
Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and program for creative activities involving music, art, literature and computer programs. Occasional laboratory experiences. Even Fall.

EIC 5745 ED-TL&L 3(3,0)
Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Odd Spring.

EEE 3307C ECS-ECCS 4(3,3)
Electronics I: PR: EEL 3123C with a grade of “C” (2.0) or better. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00

EEE 3342C ECS-ECCS 3(2,3)
Digital Systems: PR: MAC 2311C, MAC 2312, PHY 2048C, PHY 2049C all with a “C” (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $9.00

EEE 3350 ECS-ECCS 3(0,3)
Semiconductor Devices I: PR: EEL 3004C with a grade of “C” (2.0) or better. Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 4309C ECS-ECCS 4(3,3)
Electronics II: PR: EEE 3350C or C.I. Micro-Electro Mechanical Systems devices, a hardware descriptive language. Case studies on hardware circuits and systems. Data path and controller design using logic circuits. Fall, Spring.

EEE 4463 ECS-ECCS 3(0,3)
MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.
EEE 5265 ECS-EECS 3(3,0) 
Biomedical Effects and Applications of Electromagnetic Energy: PR: EEL 3470 or C.I. RF and microwave energy and their interaction with biological materials. Specific biomedical effects such as absorption, thermal therapy, hyperthermia, etc., will be discussed. Even Spring.

EEE 5272 ECS-EECS 3(3,0) 
Biomedical Sensors: PR: EEL 4750 or EEL 4403 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEE 532C ECS-EECS 3(1,2) 
Thermal Therapy, Hyperthermia, etc., will be discussed. Fall

EEE 5352C ECS-EECS 3(2,3) 
Semiconductor Material and Device Characterization: PR: EEE 3300 or C.I. Semiconductor material characterization resistivity, mobility, doping carrier lifetime, device properties, threshold voltage, interface charge of MOS devices, optical and surface characterization of films. Odd Fall.

EEE 5353 ECS-EECS 3(3,0) 
Semiconductor Device Design: PR: EEEE 3300C. Large signal and small signal model development for semiconductor devices, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5356C ECS-EECS 4(3,3) 
Characterization: PR: EEEE 3300C. Large signal and small signal model development for semiconductor devices, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5370 ECS-EECS 3(0,0) 

EEE 5378 ECS-EECS 3(3,0) 
CMOS Analog and Digital Circuit Design: PR: EEE 4300C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEE 5390C ECS-EECS 3(2,3) 
Full-Custom VLSI Design: PR: EEE 3300C and EEEE 3300C with a grade of "C" (2.0) or better grade. Provide background in integrated devices, circuits, and digital subsystems needed for design and implementation of silicon logic chips. Occasional.

EEE 5513 ECS-EECS 3(3,0) 

EEE 5542 ECS-EECS 3(3,0) 

EEE 5555 ECS-EECS 3(3,0) 
Surface Acoustic Wave Devices and Systems: PR: EEL 3552C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.

EEE 5557 ECS-EECS 3(3,0) 

EEE 5604C ECS-EECS 3(3,2) 
Networks and Systems: PR: EEL 3504C and MAP 2302 both with a grade of "C" (2.0) or better. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transform, analog signal, and Z-transforms. Fall, Spring.

EEE 5657 ECS-EECS 3(3,0) 
Linear Control Systems: PR: EEL 3123C with a grade of "C" (2.0) or better. Control theory, transfer function modeling, controller design, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.

EEE 5701 ECS-EECS 3(3,0) 
Information Theory: PR: STA 2023. Entropy and rate distortion theory, channel capacity, Gaussian channel, Rate distortion theory. Fall, Spring.

EEE 5852C ECS-EECS 4(3,3) 
Analog and Digital Communication Fundamentals: PR: EEE 3123C with a grade of "C" (2.0) or better. Transformer Transformer Theory, fundamentals of AM and FM, Bandpass baseband and digital signal, Bandpass signaling, digital modulation and detection. Fall, Spring.

EEE 5855C ECS-EECS 4(3,3) 
Linear Control Systems: PR: EEL 3123C with a grade of "C" (2.0) or better. Control theory, transfer function modeling, controller design, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.

EEE 5901C ECS-EECS 3(3,0) 
Computer Organization: PR: EGG 2111 and EEE 3342C with a grade of "C" (2.0) or better. Computer architecture, instruction set architecture, performance, multiprocessor systems, and computer organization. Fall, Spring.

EEE 6050L ECS-EECS 1(0,3) 
EECS Integrated Laboratory: PR: EEL 3552C or EEE 3157, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP processing of sample of signals, transmitters and receivers based upon AM and FM, PDM and MAP 2302 and MAP 3050 with a grade of "C" (2.0) or better. Channel capacity. Gaussian channel. Rate distortion theory. Fall, Spring.

EEE 6140C ECS-EECS 4(3,3) 
Analog Filter Design: PR: EEL 3123C with a grade of "C" (2.0) or better. Passive and active analog filter design. Fall, M&S fee $15.00

EEE 6150 ECS-EECS 3(3,0) 
Optical Engineering: PR: EEL 3470. Lens system, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Even Spring.

EEE 6242 ECS-EECS 3(3,0) 
Fundamentals of Electric Power Systems: PR: EEL 3004C with a grade of "C" (2.0) or better. Three-phase power representation and analysis, transmitters, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEE 6343C ECS-EECS 4(3,3) 
Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple impedance matching circuit, wave guides, resonators, basic microwave measurements. May be repeated for credit. Fall, M&S fee $35.00

EEE 6440 ECS-EECS 3(3,0) 
Optical Engineering: PR: EEL 3470 or C.I. Lens systems, aberrations, sources, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Occasional.

EEE 6451C ECS-EECS 4(3,3) 

EEE 6451C ECS-EECS 4(3,3) 
Digital Communication Systems: PR: EEL 3552C. Sampling and quantization, PAM, PWM, PTM, PCM, and Delta Modulation ASK, FSK, FSK, MPSK, introduction to coding. Fall, M&S fee $20.00

EEE 64518 ECS-EECS 3(0,0) 
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.

EEE 6461C ECS-EECS 4(3,3) 

EEE 6465C ECS-EECS 4(3,3) 
Computer Control Systems: PR: EEL 3557. Digital-time systems, the z-transform, 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.

EEE 6466 ECS-EECS 3(3,0) 
Robotic Systems: PR: EEL 4006C or EEL 4742C or EEL 4818H. Team based development of a robot system incorporating concepts such as sensing, computer vision, machine learning, localization, mapping, manipulation and locomotion. Spring.

EEE 64742C ECS-EECS 4(3,3) 
Embedded Systems: PR: EEL 3801C with a grade of "C" (2.0) or better. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee $15.00

EEE 64750 ECS-EECS 3(3,0) 
Digital Signal Processing Fundamentals: PR: EEL 3123C with a grade of "C" (2.0) or better. Study of discrete-time signals and systems, z-transform, DFT introduction to digital filter design. Fall, Spring.

EEE 64768 ECS-EECS 3(3,0) 
Computer Architecture: PR: EEL 3801C or CDA 3103C with a grade of "C" (2.0) or better. Computer systems performance and evaluation, processor datapath and control, microprogrammed architectures, instruction and arithmetic pipelines, cache and virtual memory, and RISC vs. CISC. Fall, Spring.

EEE 64781 ECS-EECS 3(3,0) 
Computer Communication Networks: PR: EEL 3552C with a grade of "C" (2.0) or better and STA 3032. Network models, Media access protocols. Data link control. Routing and flow control. Internetworking. Current architectures and protocols. OSI, ethernet, token, ring, FDDI, HSLC, X.25, etc. Fall, Spring.

EEE 64783 ECS-EECS 3(3,0) 
Hardware Description Languages in Digital Systems Design: PR: EEL 3342C with a grade of "C" (2.0) or better. Hardware description languages, simulation and synthesis of RTL circuits and systems, design examples and projects. Occasional.

EEE 6481H ECS-EECS 3(0,0) 
Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4818H. 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-EECS 3(3,0) Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3501 with a grade of "C" (2.0) or better or STA 3123 with a grade of "C" (2.0) or better or STA 3502 with a grade of "B" (3.0) or better. Analysis of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, and sorting. Introduction to object-oriented structures. Occasional. Fall, Spring.

EEL 4851C ECS-EECS 4(3,3) Engineering Data Structures: PR: EEL 3801C with a grade of "C" (2.0) or better. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, and sorting. Introduction to object-oriented structures. Occasional. Fall, Spring.

EEL 4872 ECS-EECS 3(3,0) Engineering Applications of Intelligent Systems: PR: EEL 4851C or COP 3503C or equivalent or C.I. Knowledge and intelligence, predicate logic and automated reasoning, heuristic search, knowledge representation, automated planning, introduction to machine learning, knowledge-based systems and philosophy of AI. Occasional.

EEL 4886 ECS-EECS 3(3,0) Engineering Software Design: PR: EEL 4851C. Introduction to operating systems concepts and facilities for engineering applications, including multiprocessing, resource allocation and management, systems utilities, and operating system implementation. Fall, Spring.

EEL 4890 ECS-EECS 3(3,0) Continuous System Simulation I: PR: MAP 2302. Numerical simulation and discrete time system models for approximating the dynamics of continuous systems. Occasional.

EEL 4914 ECS-EECS 3(3,0) Introduction to Medical Robotics and Teleoperation: PR: EEL 3657 or Medical students in their third year or later. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. Fall.

EEL 4915L ECS-EECS 3(0,3) Senior Design II: PR: EEL 4914, Fall. Senior project for 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-EECS 3(3,0) Linear Systems Theory: PR: EEL 3657. Models and properties of linear systems, transformation, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5185 ECS-EECS 3(3,0) System Identification: PR: EEL 3657 or C.I. Dynamic systems, models of time-invariant linear, time-varying and nonlinear systems, nonparametric frequency- and time-domain identification methods, kernel expansion techniques, parameter estimation methods, experiment design, and applications. Spring.

EEL 5245C ECS-EECS 3(2,1) Power Electronics: PR: EEE 4306C. Principles of power electronics, power semiconductor devices, inverter topologies, switch-mode and resonant dc-to-dc converters, cycloconverters, applications. Fall.

EEL 5291 ECS-EECS 3(3,0) Distributed Control and Optimization for Smart Grid: PR: EEL 3657 and EEL 4216 or C.I. Electric power systems, transmission and distribution networks, voltage stability and VAR control, dispatch of distributed generation, optimization, frequency control, electricity markets and incentive controls. Odd Fall.

EEL 5432 ECS-EECS 3(3,0) Satellite Remote Sensing: PR: EEL 3470 or C.I. 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-EECS 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. Fall. M&S fee $38.81.

EEL 5439C ECS-EECS 4(3,3) RF and Microwave Communications: PR: EEL 4436C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver, mixers, noise, familiarity with network and spectrum analyzers. Spring. M&S fee $40.00.

EEL 5462C ECS-EECS 3(1,1) Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.


EEL 5569 ECS-EECS 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, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.


EEL 5572C ECS-EECS 3(3,3) Field Programmable Gate Array (FPGA) Design: PR: EEL 3432C with a grade of "C" (2.0) or better grade. FPGAs architecture, application specific intellectual property, placement, routing, reconfigurable computing applications, and evolution hardware. Even Fall.


EEL 5580 ECS-EECS 3(3,0) Wireless Networks: PR: EEL 4781C. The wireless networking topics included: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility, and location, cognitive radio, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAN, GSM, GPRS, CDMA, WICOMA,). Even Spring.

EEL 5581C ECS-EECS 3(4,0) Image Processing: PR: MAP 2302, 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 5585 ECS-EECS 3(3,0) Pattern Recognition and Machine Learning: PR: EEL 4750 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 5586 ECS-EECS 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 5587 ECS-EECS 3(3,0) Knowledge-Based Systems and Expert Engineering: PR: EEL 4672 or CAP 4630 C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5589 ECS-EECS 3(3,0) Software Engineering I: PR: COP 4313C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.

EEL 5936 ECS-EECS 1(0,1) Current Topics in EEECS: PR: Open to all ECE graduate students. Lectures presented by ECE and national lecturers will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.

EES 4111C ECS-EECS 3(2,3) Biological Process Control: PR: ENV 3001 with a grade of "C" (2.0) or better. OR: ENV 4531. 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 $95.00.

EES 4202C ECS-EECS 3(3,0) Chemical Process Control: PR: CHM 2046 and ENV 3001 both with a grade of "C" (2.0) or better. Design, measurements, and analysis of chemical systems in environmental engineering to control treatment processes in water and wastewater treatment, and others. Fall. M&S fee $95.00.

EES 4318 ECS-EECS 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.

EEX 2010 ED-CFCS 3(3,0) Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreming, and other issues. Fall, Spring.

EEX 2090 ED-CFCS 3(3,0) Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFCS 2(2,0) Enhancing Family Involvement in Education: Developing of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EEX 3221 ED-CFCS 3(3,0) Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, programming, and program evaluation and monitoring of progress of exceptional student. Fall, Spring.
UCF Courses and Descriptions

EEX 3241 ED-CFCS  3(3,0) Methods for Academic Skills for Exceptional Students: PR: Admission to the CED or Admission to the ESE Minor. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before Internship I. Fall, Spring.


EEX 3450 ED-CFCS  3(3,0) Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 3942 ED-CFCS  3(3,0) Internship I Exceptional Education: PR: EEG 4410, RED 3012, EEX 2010, EEX 3241, MAE 2801. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.


EEX 4066 ED-CFCS  3(3,0) Curriculum, Theory and Instructional Strategies with Special Needs: PR: TEED 4410, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.


EEX 4242 ED-CFCS  3(3,0) Teaching Exceptional Students in Secondary Settings: PR: EDF 2085. Instructional and management strategies for secondary general education teachers to use in working with students with disabilities. Fall, Spring.

EEX 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 children. Fall, Spring.

EEX 4751 ED-CFCS  3(3,0) Parent Involvement in Education: This course prepares parents to successfully interact with and involve parents in their child's education. Occasional.

EEX 4753 ED-CFCS  3(3,0) Parent/professional Collaboration: The special educator's role in working with families, regular educators, and other professionals in a collaborative relationship. Fall.

EEX 4757 ED-CFCS  3(3,0) Respite Care: PR: Senior Standing or C.I. General knowledge and best practice in the field of temporary care: the nature and needs of care givers and care recipients, including special populations. Occasional.

EEX 4760 ED-CFCS  3(3,0) Technology for Classroom Teachers of Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314, MAE 2801. Enhancing teacher preparation through the use of technology for students with special needs. Fall, Spring.

EEX 4943 ED-CFCS  12(0,35) Internship II: PR: Completion of specialization. Satisfactory completion of the portfolio. Full day student teaching under a certified special education teacher in an elementary or secondary school. Graded S/U. May be repeated for credit. Occasional.

EEX 5051 ED-CFCS  3(3,0) Exceptional Children in the Schools: PR: Senior standing. Focus on definitions, educational problems, and appropriate educational programs for the exceptional children in schools. Fall.

EEX 5702 ED-CFCS  3(3,0) Planning Curriculum for Pre-Kindergarten Children with Disabilities: Focus on curriculum planning and developmentally appropriate practices, and implementation of individualized instruction for pre-kindergarten children with disabilities. Spring.

EEX 5750 ED-CFCS  3(3,0) Communication with Parents and Agencies: CR: EEX 3241. 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-ME/CAERO  3(3,0) Solid Mechanics: PR: EGN 3310 and "C" (2.0) or better in the following: MAC 2310C, MAC 2312, MAC 2313 and PHY 2048 CR: MAP 2302. Concepts of stress, strain, deflection; axial force, torsion, bending, combined stress; Mohr's circle, failure theories, design concepts, application to machines and vehicles. Fall, Spring.

EGM 3601H ECS-ME/CAERO  2(0,3) Solid Mechanics Lab: PR: EGN 3601. Mechanics Laboratory experiments covering topics such as tension/compression testing, torsion testing, strain gauge measurements, buckling testing, beam bending/deflection testing. Fall, Spring. M&G $45.00

EGM 1007 ECS-CAERO  3(3,3) Fundamentals of Electrical Engineering: PR: EGN 3310 and "C" (2.0) or better; EGN 3373; and EEL 2157; and MAC 2281. Provides an overview of the theory and applications of electrical engineering. Fall, Spring.

EHN 2313 ECS-ME/CAERO  3(3,3) Thermodynamics: CR: EGN 2313 or EML 2317. A study of the nature of energy; the first and second laws of thermodynamics; energy transformations; Relation of properties. Spring.

EHN 2316 ECS-ME/CAERO  3(3,3) Principles of Electrical Engineering: PR: EGN 2313 and EML 2317. A study of the nature of electricity; statics; electric circuits; fundamentals of electromagnetics; and magnetic phenomena. Fall.

EHN 2317 ECS-ME/CAERO  3(3,3) Engineering Analysis-Dynamics: CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies: mass and acceleration; work and energy; impulse and momentum. Occasional.

EHN 3310H ECS-ME/CAERO  3(3,3) Honors Engineering Analysis-Statics: PR: Permission of honors and MAC 2313C, PHY 2048C both with a grade of "C" (2.0) or better; CR: MAC 2312. Fundamental concepts of mechanics, including resultant of force systems, free-body diagrams, equilibrium of rigid bodies, and analyses of structures. Fall, Spring.

EHN 3310H ECS-ME/CAERO  3(3,3) Honors Engineering Analysis-Dynamics: PR: Permission of honors and MAC 3310C, CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies: mass and acceleration, work and energy, impulse and momentum. Fall, Spring.

EHN 3312H ECS-ME/CAERO  3(3,0) Honors Engineering Analysis - Dynamics: PR: Permission of honors and EGN 3310. CR: MAC 2313. Kinematics and kinetics of particles and rigid bodies; mass and acceleration; work and energy; impulse and momentum. Occasional.

EHN 3331 ECS-CECE  3(3,0) Materials Science: CR: EGN 3310. Study of the nature and properties of materials; the role of materials in modern technology. Fall, Spring.

EHN 3333 ECS-CECE  3(3,0) Engineering Analysis: PR: EGN 3310. Study of the nature and properties of materials; the role of materials in modern technology. Fall, Spring.

EHN 3334 ECS-CAERO  3(3,0) Thermodynamics: CR: EGN 3321 or EML 3217, MAP 2302. Work, heat, and energy transformations. Relation of properties. Spring.

EHN 3335 ECS-CAERO  3(3,0) Honors Thermodynamics: CR: Honors status; CR: EGN 3355 or EGN 4301 or EML 3217, & MAP 2302. Work, heat, and energy transformations. Relation of properties. Spring.

EHN 3340H ECS-CAERO  3(3,3) Structure and Properties of Materials: PR: EGN 2313, MAC 2312, (CHS 1440 or CHM 2045C) and MAC 2312 with grades of "C" (2.0) or better in both; Atomic structure and bonding, crystal structure and imperfections, solidification, phase transformations, phase diagrams, heat treatment, mechanical & electrical properties, materials characterization techniques. Fall, Spring.

EHN 2335H ECS-ME/CAERO  3(3,3) Honors Structure and Properties of Materials: PR: MAC 2312, and (CHS 1440 or CHM 2045C), with grades of "C" (2.0) or better in both; and consent of Honors. 春. Atomic bonding; lattices; phonons; crystal structure; diffraction; defects; diffusion; phase equilibria and diagrams; transformations kinetics; mechanical, thermal, electrical, optical, and magnetic properties. With Honors content. Fall, Spring.

EHN 3373 ECS-CAERO  3(3,0) Principles of Electrical Engineering: PR: PHY 2049C; CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems; transformers, electromechanics and rotating machines. Fall, Spring.


EHN 3374H ECS-CAERO  3(3,0) Honors Fundamentals of Electronics: PR: Permission of Honors and MAC 2312 with a "C" (2.0) or better. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. Occasional.

EHN 3613 ECS-CEME  2(2,0) Engineering Economics Analysis: PR: MAC 2311C with a grade of "C" (2.0) or better, open to all Engineering students. Economic evaluation of engineering alternatives and design. Time value of money and economic impact of taxes, risk, depreciation. Fall, Spring.

EHN 4060H ECS-CIM  3(2,3) Introduction to Robotics: PR: COP 3223C or EGN 3211; and EEL 3567C or EEL 4742C or COP 3503C or EGN 3212 or EML 3217. Theory and application of robotics topics including: architecture, path planning, sensing and manipulation. Fall.
UCF Courses and Descriptions

EGN 461C ECS-ECS 3(2,2)
Engineering Entrepreneurship: PR: Senior standing, ENT 4163, or C.I. All aspects 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 business people, specialists, based on their own experiences. Occasional.

EGN 493H ECS-ECS 3(3,0)
Honors Engineering 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 necessary management techniques employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.

EGS 1006C ECS-ECS 1(1,2)
Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines. Fall.

EGS 1036C ECS-EMS 2(1,1)
Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EGS 3030 ECS-MCS 0(2,0)
Leadership in Engineering I: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Fall.

EGS 3031 ECS-MCS 0(2,0)
Leadership in Engineering II: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Spring.

EGS 4624 ECS-EMS 3(3,0)
Engineering Innovation and Leadership PR: Senior standing. A broad range of topics including corporate organization structures, individual and team leadership, and techniques to enhance innovation and creativity. Spring.

EGS 4710 ECS-ECS 3(3,0)
Energy and Society: Investigation of available energy forms; energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.

EGS 4950 ECS-ECS 3(3,0)
Engineering Leadership Capstone: PR: Permission of Engineering Minor or Center Director. CR: approved design course in Engineering or Computer Science. Students will reflect upon and define their professional approach. Students will develop their professional portfolio, conduct internships, and individual strategic plan. Fall, Spring.

EIN 2002 ECS-EMS 1(1,0)
Introduction to Industrial Engineering and Management Systems: PR: MAC 2311C with a grade of "C" (2.0) or better and sophomore standing. Introduction to the profession of Industrial Engineering and important skills necessary for success. Course includes presentations by local IE professionals. Fall.

EIN 3314 ECS-EMS 3(3,0)
Work Analysis and Design: PR: STA 3032 with a grade of "C" (2.0) or better and C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.

EIN 3351 ECS-EMS 3(3,0)
Engineering Economic Analysis and Cost Engineering: PR: EGN 3313 and with a grade of "C" (2.0) or better. Knowledge and understanding of economic evaluation of engineering and management alternatives, cost analysis, budgeting and estimating techniques. Spring.

EIN 3354 ECS-EMS 3(3,0)
Principles of Cost Engineering: PR: EGN 3313. 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 (developmental to interpersonal to organizational 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)
Human Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Marr/machine systems; design and conduct of human engineering studies. Spring.

EIN 42464 ECS-EMS 3(3,0)
Production and Distribution Systems: PR: ESI 4121 with a grade of "C" (2.0) or better. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.

EIN 4364 ECS-EMS 3(3,0)
Facilities Planning: PR: EIN 3314 with a grade of "C" (2.0) or better; PR or C.I. EIN 3561. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring.

EIN 4391 ECS-EMS 3(3,0)
Manufacturing Engineering: PR: Grade of "C" (2.0) or better in any of the following course options CHM 2045C or CHM 4404C and CHM 2044C and CHM 2041, and Junior Standing. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.

EIN 4517 ECS-EMS 3(3,0)
Systems Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Fundamental principles of systems engineering and their application to the development of industrial complex engineered systems. Spring.

EIN 4545 ECS-EMS 3(3,0)
Industrial Engineering Applications in The Service Industry: PR: STA 3032 with a grade of "C" (2.0) or better. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.

EIN 4891C ECS-EMS 4(2,4)
Industrial Engineering Senior Design Project: PR: EIN 4364 and ESI 4523 both with grades of "C" (2.0) or better and department consent. Capstone design course; application of IEMS techniques to real-world design applications. Fall, Spring.

EIN 5108 ECS-EMS 3(3,0)
The Environment of Technical Organizations: PR: Graduate status or C.I. EGS 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.

EIN 5117 ECS-EMS 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-EMS 3(3,0)
Project Engineering: PR: Graduate standing or C.I. Role of engineering project management with emphasis on project life cycle, cost, schedule, role, and qualitative methods of cost, schedule, and performance control. Fall, Spring.

EIN 5248C ECS-EMS 3(2,2)
Ergonomics: PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.

EIN 5251 ECS-EMS 3(3,0)
Usability Engineering: PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and standardized evaluation; techniques; query techniques; laboratory techniques; and field study approaches. Spring.

EIN 5255 ECS-EMS 3(2,2)
Interactive Simulation: PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall.

EIN 5317 ECS-EMS 3(3,0)
Training System Design: PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Occasional.

EIN 5346 ECS-EMS 3(3,0)
Engineering Logistics: PR: ESI 5306 or ESI 4312. Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.

EIN 5356 ECS-EMS 3(3,0)
Cost Engineering: Cost estimation and control of engineering systems throughout the product life cycle. Occasional.

EIN 5392C ECS-EMS 3(2,2)
Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Occasional.

EMA 3000 ECS-MSE 3(3,0)

EMA 3012C ECS-MSE 3(2,2)
Experimental Techniques in Mechanics and Materials: PR: EGN 3365, EGN 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall, Spring. M&S fee $45.00.

EMA 3124 ECS-MSE 3(3,0)
Design and Selection of Materials: PR: EGM 3601, and EGM 3365 or EMA 3706. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691 ECS-MSE 3(3,0)

EMA 3706 ECS-MECH/AERO 3(3,0)
Structure and Properties of Aerospace Materials: PR: (CHS 1440 or CHM 2045C) and MAC 2311C. Grades of "C" (2.0) or better in both. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design Fall, Spring.

EIN 4102 ECS-MSE 3(3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3343, EGN 3365 or EMA 3706; and a "C" (2.0) or better in all of the following; CHS 1440 or CHM 2045C, MAC 2311C, MAC 2312, MAC 2313, MAP 2021 and PHY 2048. Application of first, second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusation, nucleation and growth, and phase transformations. Fall.

MFA 4515 ECS-MSE 3(3,0) Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including doping and impurities. Fall.

MFA 5504 ECS-MSE 3(2,2) Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and x-ray microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

MFA 5505 ECS-MSE 3(2,2) Scanning Electron Microscopy: PR: EMA 5104 or C.I. Review of beam-beam phenomena, introduction to image formation, X-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. Occasional.


MFA 5585 ECS-MSE 3(3,0) Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film process technologies with the structure and properties of the materials deposited. Odd Fall.

MFA 5586 ECS-MSE 3(3,0) Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AM01D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.


MFA 5588 ECS-MSE 3(3,0) Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and bioactivity; cell-biomedical interactions; engineering bone and cartilage, soft-tissue replacements, total hip replacements; nanotechnology, biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.

MFA 5610 ECS-MSE 3(3,0) Laser Materials Processing: PR: EGN 3343 or EMA 5106 or C.I. Laser beam optics; laser-material interactions; laser heating, melting, vaporization. Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. Occasional.

MFA 5705 ECS-MSE 3(3,0) High Temperature Materials: PR: EMA 5104 or C.I. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EME 2041 ED-EHS 3(3,0) Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EME 2312 EML 3701 ECS-ME/CAERO 3(3,0) Machining Machine Practice: PR: EGM 3601, EGN 3365 or EMA 4700. Setup and operation of mill and lathe, cutting tools, holding devices, cutting speeds and feed rates. Measurement devices. Hands-on experience. Occasional. M&S fee $29.00

EME 3034C ECS-ME/CAERO 3(3,1) Modeling Methods in Mechanical and Aerospace Engineering: PR: "C" (2.0) or better in all of the following prerequisites: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. CR: EML 3217 and ESM 2900 or EML 3930. Interpretation and 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.

EME 3031 EML 3201 ECS-ME/CAERO 3(3,0) Thermodynamics of Mechanical Systems: PR: EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Applied thermodynamics, availability analysis, thermodynamics of reactive and non-reactive mixtures, thermodynamic relations of properties. Thermodynamic design analysis of complete mechanical systems. Spring.

EME 3032 EML 3217 ECS-ME/CAERO 3(3,0) Mechanical Engineering Mechanics - Dynamics: PR: MAC 2313 with a grade of "C" (2.0) or better. EGN 3310; CR: MAP 2302. Kinematics and kinetics of particles and rigid bodies; mass and acceleration, work and energy, impulse and momentum, introduction to kinematics of mechanisms, introduction to 3D rigid body dynamics; central force. Fall, Spring.

EME 3036 EML 3262 ECS-ME/CAERO 3(3,0) Kinematics of Mechanisms: PR: EGN 3321 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.


EME 3000 EML 3500 ECS-ME/CAERO 3(3,0) Design and Analysis of Machine Components: PR: EGM 3601. Application of the principles of mechanics of materials to the design of mechanical components. Fall, Spring.

EMT 3040 EML 3701 ECS-ME/CAERO 3(3,0) Fluid Mechanics I: PR: EML 3217, EGN 3343 and a "C" (2.0) or better in all of the following: MAC 2311C, MAC 2312, MAC 2313, MAP 2302 and PHY 2048C. Fundamentals of continuum fluid mechanics. Integral and differential forms of governing equations, fluid statics, dimensional analysis, measurements, internal flows. Fall, Spring.

EMT 3990 EML 3990 ECS-ME/CAERO 0(0,0) Professional and Technical Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.

EML 4024C ECS-MECH/AERO 3(2,2) Engineering Design Practice: PR: EML 3304C and EML 3500 or EAS 4200. Basic CAD/CAM solid modeling techniques. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.

EML 4142 ECS-MECH/AERO 3(3,0) Heat Transfer: PR: EML 3701 and EML 3304C. Conduction, radiation, and convection heat transfer. Basic energy balance in a project oriented environment. Students will construct part models, drawings, and assemblies. Use of in-house software. Fall, Spring.

EML 4143 ECS-MECH/AERO 3(3,0) Heat Transfer II: PR: EML 4142. Advanced topics in heat transfer, turbulence, conduction-convection, convection heat transfer, participating medium, boiling and condensation. Fall.


EML 4221C ECS-MECH/AERO 2(1,2) Mechanical Systems Experimental Techniques: PR: EML 3303C or EAS 3800C; CR: EML 4201. Provides a teaching/laboratory of dynamic vibration and modal analysis testing and theory using modern instrumentation and software tools to develop competence in designing and conducting tests, analysis and interpreting engineering data. Occasional. M&S fee $35.00

EML 4225 ECS-MECH/AERO 3(3,0) Introduction to Vibrations and Controls: PR: EML 3217, EML 3601, EML 3304C, EGN 3373. Undamped and damped vibration and analysis of mechanical systems with single and two degrees of freedom; forced vibration; concepts of feedback controls; classical proportional, derivative and integral (PID) feedback controls and root locus. Fall, Spring.

EML 4231L ECS-MECH/AERO 3(0,3) Advanced Mechanics of Structures: PR: EGM 3601. An in depth analysis of the various modes of mechanical failure and characterization of structures with applications in MAE. Fall, Spring.

EML 4260 ECS-MECH/AERO 3(0,3) Dynamics of Machinery: PR: EML 3262 or EML 3217 or EML 4220. Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics. Occasional.

EML 4264 ECS-MECH/AERO 3(3,0) Vehicle Dynamics: PR: EML 3262 or EML 3217, EML 4220 or EML 4225. Basic mechanics governing vehicle dynamics, performance and handling; acceleration, braking, ride, cornering, suspension, steering, rollover. Occasional.


EML 4301C ECS-MECH/AERO 3(2,3) Mechanical Systems Lab: PR: EML 3303C, EML 3601; CR: EML 4225. Teaching laboratory in solid mechanics, dynamic vibrations and control-feedback testing and theory; designing and conducting experiments; analyzing and interpreting data. Spring.

EML 4304C ECS-MECH/AERO 2(1,3) Design of Thermo-Fluid Experiment: PR: EML 3303C, CR: EML 4142, EML 4220. Measurements and experiments in Thermo-Fluids systems with emphasis on project team activity. Spring. M&S fee $45.00


EML 4309F ECS-MECH/AERO 3(1,3) Experimental Mechanics: PR: EML 3601, and EML 3303C or EAS 3800C. Experimental application of the principles of solid mechanics with treatment of manufacturing. Fall, Spring.

EML 4312C ECS-MECH/AERO 3(2,3) Feedback Control: PR: EGN 3321, MAP 2302, EGN 3373 and EML 4200 or EAS 4210. Mathematical modeling of dynamic systems; transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design. Fall.

EML 4313 ECS-MECH/AERO 3(3,0) Intermediate System Dynamics and Controls: PR: EML 3172, MAP 2302, EGN 3733 and EML 4225. Free and forced vibration analysis of mechanical systems with multi degrees of freedom; normal modes and modal analysis; systems concepts, stability criteria, role of uncertainty in feedback and frequency domain control design. Fall.

EML 4411 ECS-MECH/AERO 3(3,0) Mechanical Power Systems: PR: EML 3101. Analysis and design of large power generating systems and components, with emphasis on concepts utilizing both chemical and nuclear fuels. Occasional.

EML 4445 ECS-MECH/AERO 3(3,0) Turbines for Sustainable Power: PR: EML 3601, EGN 3385 or EML 3706, EML 3301 or EAS 3801; CR: EML 4142. Study of the design of turbines for sustainable power generation including aerodynamics to combustion and emissions to reliability; covers multiple applications of conventional and green technologies. Fall.

EML 4501C ECS-MECH/AERO 3(1,6) Engineering Design I: PR: EML 3701, EML 3303C, EML 4142 and department consent; CR: EML 4991. Application of the design process in the team solution of a state-of-the-art problem. Aerospace, mechanical, thermal-fluid, or material problems are considered. Fall, Spring.

EML 4502C ECS-MECH/AERO 3(1,6) Engineering Design II: PR: EML 4501C, EML 4991. Fall.

EML 4504 ECS-MECH/AERO 3(3,0) Design & Analysis of Machine Components II: PR: EML 3500 or EAS 4200; CR: EML 4991. Application of the principles of component analysis to the design of mechanisms. Spring.

EML 4535C ECS-MECH/AERO 3(2,3) CAD/CAM: PR: EGM 3343, EML 3304C, and EML 3601; CR: EAS 4200 or EML 3500. CAD/CAM/FEM computational technology. Basic concepts. Concurrent engineering, approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software. Fall, Spring.

EML 4600 ECS-MECH/AERO 3(3,0) HVAC Systems Engineering: PR: EGN 3343. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychrometrics, heating and cooling loads, equipment and components, and distribution systems. Fall.

EML 4602C ECS-MECH/AERO 3(3,0) Applied HVAC Engineering: PR: EML 3343, CR: EML 4142. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation, and indoor air quality. Dehumidification performance of various HVAC system types and their interactions with the building. Spring.

EML 4703 ECS-MECH/AERO 3(3,0) Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. External flows, fluid machinery, compressible flows, design projects. Fall.


EML 5402 ECS-MECH/AERO 3(3,0) Turbomachinery: PR: EML 3101, EML 4703 or EAS 4134. Application of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps. Occasional.

EML 5403 ECS-MECH/AERO 3(3,0) Scientific and Technology of Fuel Cells: PR: EGM 3365, EMA 4102 or C.I. Fundamental knowledge along with hands-on experience with design, manufacturing, and operation of fuel cells. Occasional.

EML 5430C ECS-MECH/AERO 3(2.3) Design for Manufacturing in Turbomachinery: PR: EGM 3365, EMA 3706. Overall assembly of rotating and stationary components in power generation powertrains; probabilistic design, materials, coatings, manufacturing, and fatigue of gas turbine/steam turbines and generators. Fall.

EML 5431C ECS-MECH/AERO 3(2.3) Design for Mechanical & Dynamic Integrity and Reliability in Turbomachinery: PR: EGM 3365, EML 4220 or EML 4225, EGN 3365 or EMA 3706. Mechanical & dynamic integrity issues such as creep, fatigue, fracture, and stability. Occasional.

EML 5456 ECS-MECH/AERO 3(3,0) Turbines for Sustainable Power: PR: EGM 3365, EGM 3365 or EMA 3706. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. Occasional.

EML 5532C ECS-MECH/AERO 3(2.3) Computer-Aided Design for Manufacture: PR: EGN 4535C. Builds on introductory material covered in EML 4535C. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems. Occasional.


ENC 3372 CAH-WRITE  3(3,0)
Topics in Civic Rhetoric and Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to civic rhetoric and writing. Occasional.

ENC 3373 CAH-WRITE  3(3,0)
Cultural Rhetorics: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of the diverse cultural production and of the cultural forces impacting the rhetoric of individual and collective identity. Occasional.

ENC 3375 CAH-WRITE  3(3,0)
Rhetoric in Popular Culture: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Exploration of how persuasion works in a specific set of popular culture discourses, such as sports, music, and gaming. Occasional.

ENC 3417 CAH-WRITE  3(3,0)
Literacy and Technology: PR: Grade of "C" (2.0) or better required in ENC 1102. Study of technology's impact on writing and literacy, focus on new media. Spring.

ENC 3433 CAH-WRITE  3(3,0)
Multimedia Writing and Composition: PR: "C" (2.0) or better in ENC 1102 or C.I. Study and practice of multimedia writing (involving sound, visual, and linguistic forms) with an emphasis on the process of text production and remixing for different rhetorical contexts and audiences. Occasional.

ENC 3453 CAH-WRITE  3(3,0)
Writing About Health and Medicine: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Study and practice of writing about health and medicine, with an emphasis on writing about health and medicine for lay audiences. Occasional.

ENC 3454 CAH-WRITE  3(3,0)
Topics in Professional and Digital Writing: PR: Grade of "C" (2.0) or better required in ENC 1102. In-depth study and application of a specific issue related to professional and/or digital writing. Occasional.

ENC 3455 CAH-WRITE  3(3,0)
Writing about Science and Technology: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Writing about scientific and technological research and developments for non-scientific audiences (including novices and policymakers). With Honors content. Occasional.

ENC 3455H CAH-WRITE  3(3,0)
Honors Writing About Science and Technology: PR: Consent of Honors. Writing about scientific and technological research and issues for non-scientific audiences, including laypeople and policymakers. With Honors content. Occasional.

ENC 3456H CAH-WRITE  3(3,0)

ENC 3473 CAH-WRITE  3(3,0)
Writing in Disciplinary Cultures: PR: Grade of "C" (2.0) or better required in ENC 1102. Project-based study of writing (including genres, conventions, and arguments) in disciplines across the university. Occasional.

ENC 3502 CAH-WRITE  3(3,0)
Researching Writing and Literacy: PR: Grade of "C" (2.0) or better required in ENC 1102. An in-depth study of and practice with a specific issue related to language theory and/or the teaching of writing. Occasional.

ENC 3503 CAH-WRITE  3(3,0)
Topics in Writing & Literacy Studies: PR: Grade of "C" (2.0) or better required in ENC 1102. Focus on an in-depth study and practice of writing and literacy practices, with emphasis on applications for writing teachers. Occasional.

ENC 3521 CAH-WRITE  3(3,0)
Writing Across Difference: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines cultural influences on language and literacy practices, with emphasis on applications for writing teachers. Occasional.
ENC 4434 CAH-WRITE  3(3,0)
Writing and Material Rhetorics: PR: "C" (2.0) or better in ENC 1102 or C.I. Study of visual and material textual elements within different historical and contemporary rhetorical practices and performances. Students will use a variety of compositional materials to produce texts. Occasional.

ENC 4504 CAH-WRITE  3(3,0)
Contemporary Composition Theory: PR: "C" (2.0) or better required in ENC 1102. Considers major theoretical paradigms and more emergent theoretical explorations in modern and contemporary composition studies. Occasional.

ENC 4523 CAH-WRITE  3(3,0)
Writing and Identity: PR: Grade of "C" (2.0) or better required in ENC 1102. Explores the role of identity in writing, particularly negotiating gender, race, class, sexual identity and other difference issues. Occasional.

ENC 4544 CAH-WRITE  3(3,0)
Writing Pedagogy: PR: Grade of "C" (2.0) or better required in ENC 1102. Overview of pedagogical issues and strategies related to the teaching of writing, with focus on college-level writing. Occasional.

ENC 4944 CAH-WRITE  3(3,0)
Writing Internship: PR: Junior standing and ENC 3331 and 3333. Training and practice in professional and/or civic writing through approved internship with business or organization; involves reporting and reflecting on experience Fall.

ENC 4950 CAH-WRITE  0(0,0)
Writing ePortfolio: PR: "C" or better in ENC 1102. Students must have completed at least 9 hours toward the Minor in Writing & Rhetoric or at least 6 hours toward the Certificate in Public and Professional Writing. In the term they are graduating, students in Writing & Rhetoric minor or Public & Professional Writing Certificate revise their writing e-portfolio according to program requirements, and submit for approval. 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 theory and practice of how document usability is assessed and improved. Occasional.

ENC 5237 CAH-ENG  3(3,0)
Writing for the Business Professional: PR: Graduate status or senior standing or C.I. A study of the major document designs for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

ENC 5276 CAH-WRITE  3(3,0)
Theory and Practice of Tutoring Writing: PR: Admission to the M.A. in Rhetoric and Composition program, graduate standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Fall.

ENC 5337 CAH-ENG  3(3,0)
Rhetorical Theory: PR: Graduate standing or C.I. Overview of theory of classical and modern rhetorical theory and rhetorical instruction. Fall.

ENC 5705 CAH-WRITE  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 of the theory and instruction classes. Spring.

ENC 5930 CAH-WRITE  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 Literature 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 ENC 1102. The theoretical and cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies." Occasional.

ENG 3612 CAH-ENG  3(3,0)
Trends in Literary, Cultural, and Textual Studies: PR: Grade of "C" (2.0) or better in ENC 1102. Literary analysis of textual production within contemporary social trends and new technologies. May be used in the degree program a maximum of 2 times when course content is different. Occasional.

ENG 3817 CAH-ENG  3(3,0)
Digital Archives: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Examines "debates" in the digital humanities and prepares students to work with the creation, management, and preservation of digital archives content. Occasional.

ENG 3833 CAH-ENG  3(3,0)
Marketing Your Writing: PR: "C" (2.0) or better in ENC 1102 or C.I. Exploration of writing markets and publishing opportunities therein, submission processes, and author marketing and negotiation strategies. Spring.

ENG 3836 CAH-ENG  3(3,0)
Professional Lives and Literary Practices: PR: "C" (2.0) or better in ENC 1102. Study of technology-assisted professional writing and literary practices around management, work in organizations and communities. Fall, Spring.

ENG 4114 CAH-ENG  3(3,0)
Literature and Film: PR: Grade of C (2.0) or better required in ENC 3014. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.

ENG 4614 CAH-ENG  3(3,0)
Discourse of Global Cultural Studies: PR: ENC 3014. American popular culture texts in world context, using concepts and theories from global cultural studies to analyze transmission, translation, and appropriation. Fall.

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.

ENT 4014 BA-MAN  3(3,0)
Creativity and Entrepreneurship: PR: Sophomore standing. Developing and assessing opportunities, creating solutions, and formulating successful business models necessary to deliver benefits to society and markets. Fall.

ENT 4013 BA-MAN  3(3,0)
New Venture Design: PR: Junior standing. Applied course which focuses on the creation, evaluation, development and launch readiness of a new business or social venture. Fall, Spring.

ENT 4014 BA-MAN  3(3,0)
New Venture Implementation: PR: ENT 4013. Develops procedures by which startup businesses can implement a well-researched business model by planning standard business functions necessary to launch the venture. Fall, Spring.
**UCF Courses and Descriptions**

**ENT 4183**  
Business Man 3(3,0)  

**ENT 4412**  
Business Finance 3(3,0)  
Managing Small Business Finance: Course surveys the financial issues faced by small businesses. Focuses on financial concepts and issues facing small firms in a variety of industries. Fall, Spring.

**ENT 4503**  
Business Entrepreneurship 3(3,0)  
Social Entrepreneurship: PR: Junior standing. Emphasis on understanding how social entrepreneurs affect change in poor communities in the developing world. Fall, Spring.

**ENT 4942**  
Entrepreneurial Internship 3(0,3)  
Entrepreneurial Internship: PR: Junior standing. Application approval, and consent of Management Department. Supervised, entrepreneurial-related work experience in one or more firms in a variety of industries. Department for information. Application required. Fall, Spring.

**ENV 3001**  
Introduction to Environmental Engineering 3(3,0)  
Introduction to Environmental Engineering; PR: A grade of (2.0) or better in MAC 2311 and in CHM 2045C or CHS 1440 or CHM 2041. Introduction to concepts and terminology of environmental engineering. Stresses material and energy balances. Covers air, water and land pollution. Occasional.

**ENV 4120**  
Environmental Air Pollution Control 3(3,0)  
Environmental Air Pollution Control; PR: ENV 3343, CWR 3201 and ENV 3001 all with a grade of “C” (2.0) or better. Air pollution engineering including air resources management, engineering design, and operation of air pollution control systems. Occasional.

**ENV 412C**  
Air Pollution Control Design 3(2,2)  
Air Pollution Control Design; PR: ENV 4120 with a grade of “C” (2.0) or better and department consent. Project course on design of air pollution control equipment and systems. Spring.

**ENV 4300C**  
Solid Waste Facility Design 3(2,2)  
Solid Waste Facility Design; PR: ENV 4341 with grades of “C” (2.0) or better and department consent. Project course on design of a municipal solid waste landfill. Occasional.

**ENV 4341**  
Solid and Hazardous Waste Management 3(3,0)  
Solid and Hazardous Waste Management; PR: ENV 3001 with a grade of “C” (2.0) or better. Environmental engineering and/or engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

**ENV 4433C**  
Environmental Engineering Wastewater Design 3(2,2)  
Environmental Engineering Wastewater Design; PR: EES 4111C, ENV 4531 both with grades of “C” (2.0) or better and department consent. Project course in advanced municipal and industrial wastewater treatment design with emphasis on teamwork to complete the design process. Occasional.

**ENV 4531**  
Environmental Engineering Operations & Processes I 3(3,0)  
Environmental Engineering Operations & Processes I: PR: ENV 3001, CWR 2021 both with a minimum grade of “C” (2.0) or better. Water and wastewater treatment design considerations with effluent and sludge handling, treatment, and disposal. Fall, Spring.

**ENV 4561**  
Environmental Engineering Operations & Processes II 3(3,0)  
Environmental Engineering Operations & Processes II: PR: ENV 4531 with a grade of “C” (2.0) or better. Advanced water and wastewater treatment including biological nutrient removal and denitrification. Fall, Spring.

**ENV 4562C**  
Environmental Engineering Water Treatment Design 3(2,2)  
Environmental Engineering Water Treatment Design; PR: EES 4202C and ENV 4531 both with grades of “C” (2.0) or better and department consent. Application of systems design criteria in the specification and design of a full scale, potable water treatment plant. Spring. M&S fee $43.00

**ENV 5410**  
ECES-CECE 3(3,0)  
Water Treatment: PR: EES 4202C or ENV 5517 or C.I. Potable water regulations, standards, chemical reactors, oxidation, disinfection, disinfection by-products, and processes in environmental engineering, including stabilization and ultrafiltration processes. Fall.

**ENV 5505**  
ECES-CECE 3(3,0)  

**ENV 5517**  
ECES-CECE 3(3,0)  
Environmental and Water Resources Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Occasional.

**ENV 5636**  
ECES-CECE 3(3,0)  
Environmental and Water Resources Systems Analysis: PR: ENV 3001 and C.I. Discussion of environmental and water resources systems with emphasis on cost-effectiveness, pollution prevention, and sustainability to aid in environmental engineering decision-making. Fall.

**ENV 5506C**  
ECES-CECE 3(2,6)  
Environmental Entomology: PR: A grade of “C” (2.0) or better in both BSC 2010C and BSC 2011C, or C.I. Biology of insects: identification, taxonomy, physiology, behavior, and ecology. Occasional. M&S fee $15.00

**EPD 5395**  
ECES-CECE 3(3,0)  
Environmental Systems Analysis: PR: EES 4202C or ENV 5517 or C.I. Air pollution engineering including air resources management, engineering design, and operation of air pollution control systems. Occasional.

**ESA 3940**  
Entrepreneurship 3-16(0,3-16)  

**ESA 4942**  
Entrepreneurship II Seminar 1(1,0)  
Entrepreneurship II Seminar: PR: Internship I in the specific discipline. CR: Internship in the specific discipline. Focuses on practicing or analyses. Fall, Spring.

**ESA 4943**  

**ESI 4221**  
Entrepreneurship 3(3,0)  
Empirical Methods for Industrial Engineering: PR: STA 3032 with a grade of “C” (2.0) or better. Application of empirical methods for industrial engineering problem solving. Fall.

**ESI 4234**  
Entrepreneurship 3(3,0)  
Quality Engineering: PR: STA 3032 with a grade of “C” (2.0) or better. Basic concepts and techniques of quality assurance applications in industrial research, design of quality assurance systems; reliability engineering. Fall.
UCF Courses and Descriptions

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 and content is selected 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 under the Czars prior to 1917. Occasional.

EUH 5905 CAH-HIST 3(3,0)
European Imperialism: PR: Graduate standing or C.I. History of imperialism in Europe. Selected topics on the literature of European imperialism. May be used in the degree program a maximum of 3 times only when course content is different. Occasional.

EUH 5925 CAH-HIST 3(3,0)
Introduction to Environmental Science: PR: Graduate status. Environmental science and environmental systems in the context of real places, real people, real problems and real data. Fall.

EXP 3204C COS-PSCYCH 4(3,2)

EXP 3250 COS-PSCYCH 3(3,0)

EXP 3304C COS-PSCYCH 3(3,2)

EXP 3404C COS-PSCYCH 3(3,2)

EXP 3604C COS-PSCYCH 4(3,2)

EXP 3640 COS-PSCYCH 3(3,0)

EXP 4507C COS-PSCYCH 3(1,4)

EXP 5208 COS-PSCYCH 3(3,0)
Sensations and Perception: PR: Graduate status or senior standing or C.I. A study involving human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSCYCH 3(3,0)
Human Factors and Aging: PR: Graduate standing or senior standing or post bac, or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSCYCH 3(3,0)
Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

FIL 1000 CAH-SVAD 3(3,0)
Film History I: PR: FIL 1007, FIL 1008, and FIL 2050. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 1000H CAH-SVAD 3(3,0)
Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-SVAD 3(3,0)
Foundations of Cinema I: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-SVAD 3(3,0)
Cinematic Expression/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, lighting, editing, etc. Fall, Spring. M&S fee $50.00.

FIL 2030 CAH-SVAD 3(2,2)
History of Motion Pictures: PR: FIL 1007 and FIL 1008. The history of motion pictures as art and industry; from 1895 to the present. Fall, Spring.

FIL 2107 CAH-SVAD 3(3,0)
Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-SVAD 3(3,0)
Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques utilized in filmmaking. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-SVAD 3(3,0)

FIL 2480 CAH-SVAD 3(3,0)

FIL 2481 CAH-SVAD 3(3,0)
Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-SVAD 3(3,0)
Editing I: PR: FIL 1008 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring.

FIL 3006 CAH-SVAD 3(3,0)
Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including direction, editing, cinematography, art direction and sound. Fall, Spring.

FIL 3035C CAH-SVAD 3(3,1)
Film Histories II: PR: FIL 3035C. Surveys and questions in film history to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

FIL 3036 CAH-SVAD 3(3,0)
Film History I: PR: FIL 2030. Film BFA, World Cinema, or Cinema Studies major. Examine film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-SVAD 3(3,0)
Film History II: PR: FIL 3030. FIL 2017 and FIL 2050. Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-SVAD 3(3,0)
History of Animated Films I: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-SVAD 3(3,0)

FIL 3070C CAH-SVAD 3(3,1)
Film in the 1920s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3071C CAH-SVAD 3(3,1)
Film in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artistic context of the period. Occasional.

FIL 3072C CAH-SVAD 3(3,1)
Film and Modernism I: PR: FIL 3035C and ARH 2505. Relation of film to artistic modernism centered on key common practices such as collage, projection, movement, serialization, superimposition, and simultaneity. Spring.

FIL 3076C CAH-SVAD 3(3,1)
Film and Modernism II: PR: FIL 3075C and ARH 2051. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.

FIL 3102 CAH-SVAD 3(3,0)
Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1007. Theories and process of screen writing for fiction pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.

FIL 3115 CAH-SVAD 3(3,0)
Short Script I: PR: FIL 2107 and Film BFA or Cinema Studies major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.

FIL 3132 CAH-SVAD 3(3,0)
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 I and 2 courses. Spring.

FIL 3304C CAH-SVAD 3(1,3)
Documentary Vision: PR: FIL 3303C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.

FIL 3307 CAH-SVAD 3(3,0)
Docudrama: 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-SVAD 3(3,1)
Film Documentary: PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analyses of the non-fiction film. Fall, Spring.
FIL 3370C CAH-SVAD 3(3,1)  Music, Natural Sounds and Dialogue in Film: On specific aesthetic strategies of experimental film including those derived from the work of artists outside of the film related to treatments of reality and the perception of light. Fall, Spring.

FIL 3876C CAH-SVAD 3(3,1)  Experimental Cinema II: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall, Spring.

FIL 3877C CAH-SVAD 3(3,1)  Experimental Cinema: PR: FIL 3075C. A notion of cinema as an expansion of possibilities organized around formal, material, and conceptual aspects of film. Fall, Spring.

FIL 3878C CAH-SVAD 3(3,1)  Color and Lighting in Cinema: PR: FIL 3035C. Instructor labs related to lighting and color primarily in film but also painting, sculpture, photography and theatre. Occasional.

FIL 3880C CAH-SVAD 3(3,1)  Images of Women in Film: PR: FIL 3035. Images of women in film and how these images are shaped and structured in relation to circumstances of production, aesthetics, cultural, historical, and ideological factors. Fall, Spring.

FIL 3922 CAH-SVAD 1(1,1)  Film Colloquium: PR: Film majors only. A series of lectures, films and forums designed for students in the film program. The class is team taught by film faculty and guest speakers from the film industry. Graded S/U. May be repeated for credit. Fall, Spring.

FIL 4040 CAH-SVAD 3(3,0)  Animation Film History for Non Film Majors: PR: FIL 3035C. Evolution of animation since World War II. Fall, Spring.

FIL 4042 CAH-SVAD 3(3,0)  History of Animated Films II: PR: FIL 3041, and Cinema Studies, Art, Animation or Digital Media major. Growth and diversification of American and international animation since 1945. Spring, Summer.

FIL 4057C CAH-SVAD 3(3,1)  Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

FIL 4103 CAH-SVAD 3(3,0)  Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. Occasional.

FIL 4103H CAH-SVAD 3(3,0)  Honors Film Adaptation: PR: Consent of Honors. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptations. With Honors content. Occasional.

FIL 4126C CAH-SVAD 3(2,2)  Genre Writing: PR: Film major, FIL 3035C. Advanced screenwriting practice in selected genres, including comedy, humor, western, crime, etc. Occasional.

FIL 4162C CAH-SVAD 3(2,3)  Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies major, or Cinema Studies minor, and FIL 3115, or C.I. Writing workshop, examination of mythic storytelling, and ethics of scriptwriting. Fall.

FIL 4163C CAH-SVAD 3(2,3)  Feature/TV Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

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FIL 4301C CAH-SVAD 3(1,3)  
Documentary Workshop I: PR: FIL 3363C or C.I.  
Sociology significant documentary projects for community groups, heritage organizations, non-profit agencies using film, video and digital media. Fall.

FIL 4302C CAH-SVAD 3(1,3)  
Documentary Workshop II: PR: FIL 4301C or C.I.  
Advanced documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Fall.

FIL 4303C CAH-SVAD 3(3,1)  
Film Fiction and the Document: PR: LIT 2310, FIL 3075C, and FIL 3076C. Study of the shifting boundary between fiction and documentary film in the other arts at the core of which is the notion of the document. Fall.

FIL 4434C CAH-SVAD 3(2,4)  
Capstone I: PR: FIL 3132 and Film BFA or World Cinema major. Intensive tutorial guidance, instruction and evaluation of final film projects from initial concept through production. May be repeated for credit. Fall.

FIL 4436 CAH-SVAD 3(3,0)  
Film Theory/Film Production: PR: Junior standing and FIL 1008 or C.I. Non-narrative filmmaking demonstrating the dynamic interplay between producing, viewing, reading and writing about images. Odd Spring.

FIL 4451 CAH-SVAD 3(3,0)  
Design for Film: PR: FIL 3427C, or C.I. Analysis of visual structure of film. Specific problems in art direction. Fall.

FIL 4453C CAH-SVAD 3(3,2)  
Special Problems in Film Design: PR: FIL 2423 or FIL 3427C and FIL 2030. A series of exercises in craft, techniques, and design for film production, including animation. Occasional.

FIL 4472C CAH-SVAD 3(2,4)  
Cinematography II: PR: Film major, FIL 2461. Advanced principles and practices of cinematography. Spring. M&S fee $5.00

FIL 4486C CAH-SVAD 3(3,1)  
Directing for Film II: PR: Film BFA major and FIL 2480. Principles and practice in directing narrative and/or documentary motion pictures. Fall. M&S fee $5.00

FIL 4487 CAH-SVAD 3(3,0)  
Directing for Film III: PR: FIL 4486C. Advanced processes and techniques of film directing. Spring.

FIL 4535C CAH-SVAD 3(3,1)  
Sound Design I: PR: FIL 3534. An understanding of how production mixers bring the film director's vision to the screen. Spring.

FIL 4536 CAH-SVAD 3(3,0)  
Sound Design III: PR: FIL 4535C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.

FIL 4566C CAH-SVAD 3(3,2)  
Editing II: PR: FIL 2552. Theory, techniques and practices in picture editing. Fall. M&S fee $5.00

FIL 4573C CAH-SVAD 3(1,3)  
Capstone II: PR: FIL 4443C. Intensive tutorial guidance, instruction and evaluation of final film projects in post production. May be repeated for credit. Spring.

FIL 4602 CAH-SVAD 3(3,0)  
Film Business: PR: FIL 2423 or FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. This is a seminar course taught by a professional in the film industry who deals with issues relating to the organization and production of motion pictures. Spring.

FIL 4647 CAH-SVAD 3(3,0)  
Film Production Management: PR: ENC 1102 and Junior standing. Production, budgeting, script breakdown, construction of production boards, scheduling, location scouting, and crew procurement. Spring.

FIL 4661 CAH-SVAD 3(3,0)  
The Film Producer: PR: FIL 2423 of FIL 3427C and junior standing and Film BFA, World Cinema, or Cinema Studies major. The role of the producer is examined in the context of theatrical film, Spring.

FIL 4735C CAH-SVAD 3(2,4)  
Experimental Animation: PR: "C" (2.0) or better in FIL 3734C and a satisfactory portfolio review or C.I. Exploring individual creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodologies. May be repeated for credit. Occasional. M&S fee $15.00

FIL 4740C CAH-SVAD 3(3,1)  
Film and Digitalization: PR: FIL 3035C. A study of the new possibilities offered to film and thinking about film by digitalization. Occasional.

FIL 4750C CAH-SVAD 3(2,4)  
Experimental Animation Workshop: PR: "C" (2.0) or better in FIL 3720C and a satisfactory portfolio review or C.I. Individual and group creation of original narrative and non-narrative animation with sound through classic, current, innovative, and hybrid analog and digital methodology. May be repeated for credit. Occasional. M&S fee $15.00

FIL 4830 CAH-SVAD 3(3,0)  
Motion Picture Genre: PR: FIL 2030. Analysis and evaluation of films, including major genres, directors, styles, and periods. Occasional. M&S fee $5.00

FIL 4830H CAH-SVAD 3(3,0)  
Honors Motion Picture Genre: PR: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors content. Occasional.

FIL 4863C CAH-SVAD 3(3,1)  
Montage: PR: FIL 3075C and FIL 3076C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and disjunctions. The course is theoretical with practical exercises. Fall.

FIL 4934C CAH-SVAD 3(3,1)  
Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

FIL 4935C CAH-SVAD 3(3,1)  
Current Problems in Film Theory: PR: FIL 3035C. Concentration on most recent work in film studies concerned with film theory. Occasional.

FIL 4939C CAH-SVAD 3(3,1)  
Current Problems in Film History: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film history. Occasional.

FIL 5406 CAH-SVAD 3(3,0)  
Theories of Film Production: PR: Film MFA student or C.I. Comparative analysis of motion picture production methodologies, including the studio industrial model, from a historical/critical perspective. Spring.

FIL 5406H CAH-SVAD 3(3,0)  
Honors Theories of Film Production: PR: Consent of Honors. Analysis and evaluation of films, including their major genres, directors, styles, and periods. With Honors content. Occasional.

FIL 5924 CAH-SVAD 1(1,0)  
Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinema track, or C.I. Strategies for a successful graduate school experience, and forum for modes of inquiry, film technique, production and distribution issues; and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. Fall, Spring.

FIN 2100 BA-FIN 3(3,0)  
Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0)  
Financial Markets: PR: FIN 3403 with a "C" (2.0) or better; open to majors or minors which require this course. The role of stock and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403 BA-FIN 3(3,0)  
Business Finance: PR: Junior standing, AGC 2021 and ECO 2023, each with a "C" (2.0) or better. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. Fall, Spring.

FIN 3403H BA-FIN 3(3,0)  
Honors Business Finance: PR: Junior standing, AGC 2021 and ECO 2023, each with a "C" (2.0) or better. Open to University honors students and other students participating in the honors program. With the balance sheet as a reference point, this course provides an introduction and overview of the acquisition, financing, and management of business assets. With honors level content. Occasional.

FIN 3414 BA-FIN 3(3,0)  
Intermediate Corporate Finance: PR: FIN 3403 with a "B" (3.0) or better; open to majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. In-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.

FIN 3461 BA-FIN 3(3,0)  
Financial Statement Analysis: PR: FIN 3403 with a "B" (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Understanding and interpreting financial statement data for business decisions and valuations. Fall, Spring.

FIN 3504 BA-FIN 3(3,0)  
Investment Analysis: PR: FIN 3403 with a "C" (2.0) or better; open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and environment. Principles of asset valuation in efficient markets. Fall, Spring.

FIN 4243 BA-FIN 3(3,0)  
Debt and Money Markets: PR: FIN 3403 with a "B" (3.0) or better. Open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Courses examines debt, money market investments, market structure, trading and valuation. Risk management introduced. Roles of banking systems, and financial institutions in fixed income markets. Fall, Spring.
Advanced Topics in Financial Management: PR: FIN 3414 with a “C” (2.0) or better; open to majors or minors which require this course. Analysis of the intersections of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0)
Advanced Topics in Financial Management: PR: FIN 3414 with a “C” (2.0) or better; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0)
Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3304 each with a “C” (2.0) or better; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for front presentation and solution on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0)
Portfolio Analysis and Management: PR: FIN 3503 and FIN 3304, each with a “C” (2.0) or better; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0)
Financial Derivatives: PR: FIN 3403C, FIN 3303 and FIN 3304, each with a “C” (2.0) or better; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments traded in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,0)
Applied Portfolio Management 1: PR: Finance major, FIN 3403 and FIN 3504, each with a “C” (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of equity investment management topics, including risk return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1)
Applied Portfolio Management 2: PR: Finance major, FIN 4560C and FIN 3304, each with a “C” (2.0) or better, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4604 BA-FIN 3(3,0)
International Financial Management: PR: FIN 3403 with a “B” (3.0) or better; open to finance majors and minors, or with instructor consent which will be based on meeting qualifications for finance majors and minors. Analysis of the foreign financial methods and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond market. Fall, Spring.

FIN 4730 BA-FIN 3(3,0)
Senior Financial Consulting I: PR: Finance major, FIN 4313 and FIN 3303, each with a “C” (2.0) or better; CR: FIN 3414, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3,0)
Senior Financial Consulting II: PR: Finance major, FIN 4313 with a “C” (2.0) or better. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design, and consulting in projects for major corporations. Part 2 of two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(3,0)
Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, 3.0 Finance major GPA, minimum overall GPA of 2.75 and consent of internship coordinator. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-TL&L 3(3,0)
Education and Culture/Language Diversity: PR: Admission to major, overall 2.3 GPA. 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language. Diversity. Occasional.

FLE 4314 ED-TL&L 3(3,0)
Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign languages in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(3,0)
Foreign Language Teaching in the Secondary School: PR: EDG 4410, 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 5335 ED-TL&L 3(3,0)
Foreign Language Methods at the Secondary Level: PR: Graduate standing or C.I. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. Occasional.

FRE 1120C CAH-LANG 3(3,1)
Elementary French Language and Civilization I: Introduces the student to French culture through the major linguistic skills of listening, speaking, reading and writing. Open only to students with no experience in the language. Fall, Spring.

FRE 1121C CAH-LANG 3(3,1)
Elementary French Language and Civilization II: PR: FRE 1120C or equivalent. Continuation of FRE 1120C. Fall, Spring.

FRE 2200 CAH-LANG 3(3,1)
Intermediate French Language and Civilization I: PR: FRE 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

FRE 2201 CAH-LANG 3(3,1)
Intermediate French Language and Civilization II: PR: FRE 2200 or equivalent. Continuation of FRE 2200 with emphasis on French civilization. Fall, Spring.

FRE 2210 CAH-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 CAH-LANG 8(16,10)

FRE 3300 CAH-LANG 3(3,0)
French Grammar: PR: FRE 2201 or equivalent. An in-depth review of the structures of French for students who intend to take French literature courses. Fall.

FRE 3410 CAH-LANG 3(3,0)
Advanced Oral French Abroad: PR: FRE 2200 or equivalent. Designed for students participating in the Study Abroad Program in France. Students will be immersed throughout the term studying French. May be repeated for credit. Occasional.

FRE 3420 CAH-LANG 3(3,0)
French Composition: PR: FRE 2201 or equivalent. Development of skills in composition. Fall.

FRE 3423 CAH-LANG 3(3,0)
Advanced French Grammar Abroad: PR: FRE 2200 or equivalent. Students will be immersed throughout the term applying grammatical concepts as they relate to written expression in order to enhance oral expression. May be repeated for credit. Occasional.

FRE 3440 CAH-LANG 3(3,0)

FRE 3441 CAH-LANG 3(3,0)

FRE 3760 CAH-LANG 3(3,0)

FRE 3780 CAH-LANG 3(3,0)
French Phonetics and Pronunciation: French phonology, with emphasis on phonetic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0)
Study Abroad in the Caribbean: PR: FRE 2201 or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0)
Advanced French Conversation: PR: FRE 3760. Advanced conversation on selected topics from various disciplines. Literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0)
Advanced French Composition: PR: FRE 3420. Reading and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6(6,0)
Advanced French Cultural Studies Abroad: PR: FRE 2201 or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture abroad. May be repeated for credit. Occasional.

FRE 4500 CAH-LANG 3(3,0)

FRE 4503 CAH-LANG 2(2,0)
Quebecois Civilization: PR: 2 years of college French or equivalent. Introduction to Main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782 CAH-LANG 2(2,0)
Advanced French Phonetics and Diction: PR: French and C.I. For students who have taken Cours de Phonétique et Diction. Intensive exercises in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English Occasional.
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<td>CAH-LANG</td>
<td>Francophone Literature</td>
<td>3.0</td>
<td>FRE 2201 or equivalent</td>
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<tr>
<td>FRW 3810</td>
<td>CAH-LANG</td>
<td>French Literary Texts and Analysis</td>
<td>3.0</td>
<td>FRE 2201 or equivalent</td>
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<tr>
<td>FRW 4281</td>
<td>CAH-LANG</td>
<td>French Literary and Cultural Analysis</td>
<td>3.0</td>
<td>FRE 2201 or equivalent</td>
</tr>
<tr>
<td>FRW 4324</td>
<td>CAH-LANG</td>
<td>Early Modern French Fairy Tales</td>
<td>3.0</td>
<td>FRW 3100, or equivalent</td>
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<tr>
<td>FRW 4440</td>
<td>CAH-LANG</td>
<td>French Literature of the Eighteenth Century</td>
<td>3.0</td>
<td>FRW 3100, or equivalent</td>
</tr>
<tr>
<td>FRW 4532</td>
<td>CAH-LANG</td>
<td>French Romanticism</td>
<td>3.0</td>
<td>FRW 3100, or equivalent</td>
</tr>
<tr>
<td>FRW 4552</td>
<td>CAH-LANG</td>
<td>Nineteenth Century French Literature</td>
<td>3.0</td>
<td>FRW 3101, or equivalent</td>
</tr>
<tr>
<td>FRW 4820</td>
<td>CAH-LANG</td>
<td>Style &amp; Technique</td>
<td>3.0</td>
<td>FRE 3420 or equivalent</td>
</tr>
<tr>
<td>FSS 2212C</td>
<td>RCHM-FOOD&amp;LODD</td>
<td>Techniques of Food Preparation</td>
<td>3.0</td>
<td>HFT 1000, or equivalent</td>
</tr>
<tr>
<td>FSS 224C</td>
<td>RCHM-FOOD&amp;LODD</td>
<td>Food Preparation for Catered Events</td>
<td>3.0</td>
<td>HFT 1000, or equivalent</td>
</tr>
<tr>
<td>FSS 3124</td>
<td>RCHM-FOOD&amp;LODD</td>
<td>Supply and Procurement Management</td>
<td>3.0</td>
<td>HFT 1000, or equivalent</td>
</tr>
<tr>
<td>FSS 3223C</td>
<td>RCHM-FOOD&amp;LODD</td>
<td>Foodservice Operations Management</td>
<td>3.0</td>
<td>HFT 1000, or equivalent</td>
</tr>
<tr>
<td>FSS 4135</td>
<td>RCHM-FOOD&amp;LODD</td>
<td>Corporate Contract and Managed Services Organizations</td>
<td>3.0</td>
<td>HFT 1000, or equivalent</td>
</tr>
<tr>
<td>FSS 4286C</td>
<td>RCHM-FOOD&amp;LODD</td>
<td>Catering and Banquet Organization</td>
<td>3.0</td>
<td>HFT 1000, or equivalent</td>
</tr>
<tr>
<td>GEA 4405</td>
<td>CAH-LAS</td>
<td>Geography of Latin America</td>
<td>3.0</td>
<td>ENC 1102 or equivalent</td>
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<tr>
<td>GEB 1091C</td>
<td>BA-BA</td>
<td>Foundations of Leadership</td>
<td>2.0</td>
<td>BA 3025, or equivalent</td>
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<tr>
<td>GEB 2350</td>
<td>BA-MAR</td>
<td>Foundations of Business</td>
<td>3.0</td>
<td>BA 3025, or equivalent</td>
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<tr>
<td>GEB 3005</td>
<td>BA-MAN</td>
<td>Career Search Strategy</td>
<td>1.0</td>
<td>BA 3025, or equivalent</td>
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<tr>
<td>GEB 3031</td>
<td>BA-MAN</td>
<td>Integrated Business Foundations</td>
<td>3.0</td>
<td>BA 3025, or equivalent</td>
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<tr>
<td>GEB 3375H</td>
<td>BA-FIN</td>
<td>Honors Introduction to International Business</td>
<td>3.0</td>
<td>BA 3025, or equivalent</td>
</tr>
<tr>
<td>GEB 4004</td>
<td>BA-MAN</td>
<td>Executing Your Career Plan</td>
<td>1.0</td>
<td>BA 3025, or equivalent</td>
</tr>
<tr>
<td>GEB 4111</td>
<td>BA-MAN</td>
<td>New Venture Finance</td>
<td>3.0</td>
<td>BA 3025, or equivalent</td>
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<tr>
<td>GEB 4223</td>
<td>BA-MAN</td>
<td>Business Interviewing Techniques</td>
<td>1.0</td>
<td>BA 3025, or equivalent</td>
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<tr>
<td>GEB 4374</td>
<td>BA-FIN</td>
<td>International Negotiations and Transactions</td>
<td>3.0</td>
<td>BA 3025, or equivalent</td>
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<tr>
<td>GEB 4435</td>
<td>BA-MAN</td>
<td>Moral Foundations of Business</td>
<td>3.0</td>
<td>BA 3025, or equivalent</td>
</tr>
<tr>
<td>GEB 4513</td>
<td>BA-MAN</td>
<td>Applied Business Technologies</td>
<td>3.0</td>
<td>BA 3025, or equivalent</td>
</tr>
</tbody>
</table>
UCF Courses and Descriptions

GEB 4522 BA-BA 3(3,0)

GEB 4824 BA-BA 3(3,0)
Business Law in Sport & Entertainment: PR: SPB 3003 with a "C" (2.0) or better. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Occasional.

GEB 4934 BA-BA 0(0,1)
Current Topics in Business Administration: PR: AD of Business, and C.I. Guest lectures discussing current topics that impact business in the Central Florida, state, national, and international business environments. Fall, Spring.

GEB 5516 BA-MAN 3(3,0)
Techno-Entrepreneurship I: 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.

GEB 5941 BA-BA 1.5(1.5,0)
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.

GEO 1200 COS-POLS 3(3,0)
Physical Geography: Basic physical elements of geography, including climate, landforms, soils, natural vegetation, minerals, and their integrated patterns of world distribution. Fall, Spring.

GEO 2370 COS-POLS 3(3,0)
Resource Geography: Analysis of basic principles and problems associated with development, use, conservation, and management of natural resources, with special emphasis on the United States. Fall, Spring.

GEO 3471 COS-POLS 3(3,0)
World Political Geography: PR: ENC 1102 or POS 2041 or C.I. Analysis of factors which affect power distribution among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG 4(4,1)
Honors Elementary German Language and Civilization I: PR: Permission of Honors. Introduces the student to German culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1120C CAH-LANG 4(3,1)
Elementary German Language and Civilization I: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121C CAH-LANG 4(4,1)
Honors Elementary German Language and Civilization II: PR: GER 1120C or equivalent and permission of Honors. Continuation of GER 1120C with honors-level content. Occasional.

GER 2200 CAH-LANG 3(3,1)
Intermediate German Language and Civilization I: PR: GER 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

GER 2201 CAH-LANG 3(3,1)
Intermediate German Language and Civilization II: PR: GER 2200 or equivalent. Continuation of GER 2200 with emphasis on German civilization. Spring.

GER 2210 CAH-LANG 3(3,0)
Intensive German Conversation: PR: GER 1121C or C.I. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

GER 2240 CAH-LANG 3(3,0)
German Conversation: PR: GER 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

GER 2270 CAH-LANG 6(6,0)
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Immersion in German language and culture taught in the native environment. Occasional.

GER 2271 CAH-LANG 2(2,0)
Modern German Civilization Abroad I: PR: One year of College-level German. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3102 CAH-LANG 3(3,0)
Germany - Past to Present: PR: GER 3760 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3272 CAH-LANG 2(2,0)
Modern German Civilization Abroad II: PR: GER 2201 or equivalent. Key elements of German life: its artistic, intellectual, scientific, and spiritual contributions to the world via guest lecturers, readings, films, and other media. In German. Occasional.

GER 3420 CAH-LANG 3(3,0)

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 3600 CAH-LANG 3(3,0)
Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabulary building with systematic training in pronunciation and intonation. Speeches 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 2240. 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(3,0)
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(3,0)
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(3,0)
German Post-War Literature: PR: GER 2201. This course examines 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(3,0)
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.

GEO 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 biological sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

GEO 5007 CON-NURS 3(3,0)
Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEO 5600 ED-CFCS 3(3,0)
Physiology of Aging: PR: BSC 2010C or PCB 3703C or APK 4110C 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.

GER 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 man interdisciplinary and multidisciplinary approach spanning the social sciences and health. Occasional.

GIS 3043C UGST-INTERDISC 3(2,2)
GIS for Environmental Studies: PR: CGS 1060C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.

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 optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(3,0)
Geology and its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, plate tectonics, mountain building, metal and nonmetal fuels, groundwater, sinkholes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.

GRA 2101C CAH-SVAD 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 content. Occasional. M&S fee $15.00

GRA 2101C CAH-SVAD 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.
UFC Courses and Descriptions

GRA 2151C CAH-SVAD  3(2,4)
Illustration: PR: ART 2201C and ART 2300C. Pictorial and representational illustration using various media and techniques. Fall, Spring.

GRA 3102C CAH-SVAD  3(2,4)
Intermediate Graphic Design I: PR: Acceptance in Graphic Design Specialization or C.I. CR: GRA 3950. Techniques and methods for studio projects used in the graphic design industry. M&S fee $45.00.

GRA 3112C CAH-SVAD  3(2,4)
Intermediate Graphic Design II: PR: GRA 3102C. Further development of studio techniques and problems in graphic design with emphasis on digital prepress. Spring. M&S fee $43.00.

GRA 3202C CAH-SVAD  3(2,4)
Type & Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C. A survey of type, calligraphy and letter forms and their appropriate use as subject matter for graphic design and publication. Fall, Odd Spring.

GRA 3747C CAH-SVAD  3(2,4)
Intermediate Illustration I: PR: ART 2201C, ART 2203C, ART 2301C, and successful portfolio review. Techniques, production processes, media and materials used to create illustration for works utilizing sequential visual narrative. Fall. M&S fee $45.00.

GRA 3803C CAH-SVAD  3(2,4)
Intermediate Computer Graphic Design: PR: GRA 3102C or declared Web Design Track, ART 2201C, ART 2300C, and DIG 3715C. Graphic design techniques and methods relating to web design and development. Fall, Spring.

GRA 3950 CAH-SVAD  0(0,0)

GRA 4154C CAH-SVAD  3(2,4)
Advanced Illustration: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced techniques in the utilization of digital platforms to emulate traditional media. May be used in the degree program a maximum of 3 times. Spring. M&S fee $43.00.

GRA 4196C CAH-SVAD  3(2,4)
Advanced Graphic Design: PR: GRA 3112C or C.I. Practical studio problems, with emphasis on organization of visual design elements. Fall. M&S fee $43.00.

GRA 4197C CAH-SVAD  3(2,4)
Special Problems in Graphic Design: PR: GRA 4196C. Capstone course in Graphic Design emphasizing the development of a professional portfolio. May be used in the degree program a maximum of 2 times. Spring. M&S fee $45.00.

GRA 4802C CAH-SVAD  3(2,4)
Advanced Computer Graphic Design: PR: GRA 3102C and GRA 3803C. Graphic design techniques and methods related to motion graphics. Odd Fall, Spring. M&S fee $15.00.

HBR 1120 CAH-JUD  4(4,0)
Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. Fall.

HBR 1121 CAH-JUD  4(4,0)
Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 2200 CAH-JUD  3(3,0)
Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew; increase proficiency in conversation, reading and writing skills, and further expose students to Israeli culture. Occasional.

HBR 2201 CAH-JUD  3(3,0)

HBR 3250 CAH-JUD  3(3,0)

HBR 3410 CAH-JUD  3(3,0)

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 structure, science, and operating procedures. Fall, Spring.

HFT 2220 RCHM-HSP SERV  3(3,0)
Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-FOOD&LODG  3(3,0)
Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.

HFT 2401 RCHM-HSP SERV  3(3,0)

HFT 3443 RCHM-TEA  3(3,0)
Event Technology: PR: HFT 1000 and HFT 2750; or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444 RCHM-HSP SERV  3(3,0)
Hospitality Information Systems: PR: ECO 2013 or ECO 2023, and CS 2160, MAC 1105, HFT 2254. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512 RCHM-TEA  3(3,0)
Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors, and other participants. Occasional.

HFT 3519 RCHM-TEA  3(3,0)
Event Services: PR: HFT 2750 and HFT 3443. The acquisition and management of services integral to the success of events. The supply side of the event industry. Fall, Spring. M&S fee $122.00.

HFT 3523 RCHM-TEA  3(3,0)
Event Sales: PR: HFT 2500 and HFT 3519, or C.I. In-depth look at the sales process for events, including the development of requests for proposals, negotiation skills and sales strategies. Fall, Spring.

HFT 3540 RCHM-HSP SERV  3(3,0)
Guest Services Management I: PR: ECO 2013 or ECO 2023, and MAC 1105. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3603 RCHM-HSP SERV  3(3,0)

HFT 3654 RCHM-FOOD&LODG  3(3,0)
Hospitality Franchising: PR: HFT 2254 or HFT 3623, HFT 2500, HFT 3431 and Junior standing. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Spring.

HFT 3670 RCHM-TEA  3(3,0)
Hospitality and Event Risk Management: PR: HFT 1000 and junior standing or C.I. Analysis of the event risk management 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 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. 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 2254, 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 standing. Comprehensive study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.

HFT 3792 RCHM-TEA 3(3,0) Event Design and Production: PR: HFT 1000, HFT 2750, HFT 3443, and HFT 3670; or C.I. The many aspects of event production, including art, design, and staging. Provides hands on practical experience. Occasional.

HFT 3798 RCHM-TEA 3(3,0) Fairs and Festivals: PR: HFT 1000 and HFT 2750; or C.I. Evolution of modern day exhibitions and trade shows from fairs and festivals. Occasional.

HFT 3813 RCHM-FOOD&LODG 3(3,0) Foodservice Marketing, Sales, and Distribution: PR: HFT 3250 and HFT 3263. Food service marketing, sales, and distribution from both an operator and supplier perspective. Fall, Spring.

HFT 3868 RCHM-FOOD&LODG 3(3,0) History and Culture of Wine: PR: Minimum age of 21 and a history course or C.I. The role that wine has played in the history, culture, and economy of the major wine regions of the world. Occasional. M&S fee $70.00

HFT 3933 RCHM-RCHM 1(1,0) Distinguished Lectures in Hospitality Management: PR: HFT 1000, Junior standing. First hand introduction to hospitality leaders, their perspectives on the segments they represent, and the breadth of those segments. Graded S/U. Fall, Spring.

HFT 3949 RCHM-RCHM 0-5(0,1-5) Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HFT 4065 RCHM-FOOD&LODG 3(3,0) Fine Spirits Management: PR: HFT 1000 and at least 21 years of age. This course is designed to familiarize the student with the production, aroma/taste profiles, branding, advertising, sales, distribution, laws, regulations, and responsible practices of distilled spirits. Occasional. M&S fee $45.00

HFT 4206C RCHM-FOOD&LOGD 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-FOOD&LOGD 3(3,0) Advanced Lodging Operations: PR: HFT 2254, HFT 2500, HFT 3431, HFT 3603 and Junior Standing. Advanced case study course based on interaction with hotels, timeshares, shared ownership properties, and other sleeping accommodations. Exposure course participants to real life operational situations. Spring.

HFT 4255 RCHM-FOOD&LOGD 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-FOOD&LOGD 3(3,0) Hospitality Brand Management: PR: HFT 3252 or HFT 1000, and HFT 2500 and Junior Standing. Exploration of the principles of brand management for restaurants and foodservice, hotels, timeshares and shared ownership properties. Fall, Spring.

HFT 4268 RCHM-FOOD&LOGD 3(3,0) Case Studies in Restaurant Management: PR: HFT 2750 and Junior standing. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4274 RCHM-FOOD&LOGD 3(3,0) Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of hotels and shared ownership/timeshare properties. Spring.

HFT 4275 RCHM-FOOD&LOGD 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 3273 and Junior standing. Comprehensive analysis of applied theories, principles and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277 RCHM-TEA 3(3,0) Yacht, Country, and Club Management: PR: HFT 1000 and Junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and Club Clubs. Emphasis will be placed on operational aspects. Fall.


HFT 4286 RCHM-SERV 3(3,0) Hospitality Communications: PR: HFT 1000; HFT 2220: FSS 2212C; HFT 2524; HFT 2500; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on interdepartmental dependence by managers in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4295 RCHM-SERV 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 4343 RCHM-SERV 3(3,0) Hospitality Facilities Management: PR: HFT 2224 and Junior standing, or C.I. Principles of facility planning, layout, design, and physical plant characteristics for hotels, timeshares and shared ownership properties, restaurants and foodservice and other hospitality related venues. Fall, Spring.


HFT 4375 RCHM-TEA 3(3,0) Advanced Trade Show Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of guest needs and expectations in theme parks, resorts, hotels, timeshares, and shared ownership properties. Fall, Spring.

HFT 4413 RCHM-HSP SERV 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Management. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4432 RCHM-HSP SERV 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Management. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Fall, Spring.

HFT 4457 RCHM-HSP SERV 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3263, HFT 3431, and Junior standing. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Spring.

HFT 4464 RCHM-HSP SERV 3(3,0) Hospitality Industry Finance: PR: HFT 3431 and Junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4468 RCHM-HSP SERV 3(3,0) Hospitality Industry Revenue Management: PR: HFT 2254 and HFT 3431, and Junior standing. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting pricing strategies, and distribution. Fall, Spring.

HFT 4473 RCHM-HSP SERV 3(3,0) Hospitality Development Analysis: PR: HFT 2254 or HFT 3263, HFT 2500, HFT 3431, and Junior standing. Review of methodological operations, financial and marketing aspects of analyses for foodservice, hotels, timeshares, and shared ownership development projects. Spring.

HFT 4522 RCHM-FOOD&LODG 3(3,0) Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and business-to-business strategies employed in the sales and marketing of resort hotels, timeshares, and shared ownership properties. Fall.


HFT 4614 RCHM-TEA 3(3,0) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603, or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4732 RCHM-TEA 3(3,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis of tourism as an industry in the regional/national economies using the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and Junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0) Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4951 RCHM-TEA 3(3,0) Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and Junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.

HFT 4952 RCHM-TEA 3(3,0) Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions Spring.

HFT 4974 RCHM-TEA 3(3,0) Exhibit and Trade Show Operations: PR: HFT 4755 and Junior standing or C.I. An in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>3(3.0)</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>HFT 4755 RCHM-TEA</td>
<td>Theme Park and Attraction Management; PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, rides operations, merchandising, food services, and architectural design Fall, Spring.</td>
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<tr>
<td>HFT 4757 RCHM-TEA</td>
<td>Event Management; PR: All courses in the Event Management core, or C.I. The development, design, evaluation of events that meet the needs of the audience and requirements. Incorporates a case study approach. Requires event volunteer hours approved by instructor Fall, Spring. M&amp;S fee $65.00</td>
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<tr>
<td>HFT 4758 RCHM-TEA</td>
<td>Occasional Issues in Theme Park and Attraction Industry; PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions Fall.</td>
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</tr>
<tr>
<td>HFT 4759 RCHM-TEA</td>
<td>Product Development in Theme Parks and Attractions; PR: All courses in the HFT 4755 sales process. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.</td>
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</tr>
<tr>
<td>HFT 4795 RCHM-TEA</td>
<td>Entertainment Arts and Events; PR: HFT 2750 and HFT 2751 or C.I. A historical perspective of theme park, event, and attraction entertainment. Covers show development, event production, creative processes, casting, styling, and evaluation. Fall, Spring.</td>
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<tr>
<td>HFT 4796 RCHM-TEA</td>
<td>International Events; PR: HFT 1000 and HFT 2750, or C.I. A study of major events and their organizing forces. Seminars and travel outside the United States that allow students to participate in the arts and events industry Fall, Spring.</td>
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</tr>
<tr>
<td>HFT 4802 RCHM-FOOD&amp;LODG</td>
<td>Catering Sales Management; PR: HFT 2750, HFT 3525, HFT 3570, and FSS 2284C, or C.I. The catering management process. Emphasis on market segments, customer relationships, menu planning, financial impact, internal communication/documentation and event oversight. Fall, Spring. M&amp;S fee $45.00</td>
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<tr>
<td>HFT 4861C RCHM-FOOD&amp;LODG</td>
<td>Beverage Management; PR: HFT 1000, minimum age of 21 by the first day of class, and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry Fall, Spring. M&amp;S fee $45.00</td>
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<tr>
<td>HFT 4864 RCHM-FOOD&amp;LODG</td>
<td>Seminar in Quality Brewing and Fine Beer; PR: HFT 1000, minimum age of 21 by first day of class. The production and service of malt beverages Fall, Spring. M&amp;S fee $45.00</td>
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<tr>
<td>HFT 4865 RCHM-FOOD&amp;LODG</td>
<td>Advanced Wine Management; PR: Minimum age of 21, HFT 389 or HFT 4866C, or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&amp;S fee $70.00</td>
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<tr>
<td>HFT 4866C RCHM-FOOD&amp;LODG</td>
<td>Exploring Wines of the World; PR: HFT 1000, minimum age of 21 by first day of class, or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine Fall, Spring. M&amp;S fee $70.00</td>
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<tr>
<td>HFT 4884 RCHM-FOOD&amp;LODG</td>
<td>International Gastronomy; PR: FSS 2227C, HFT 1000, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. Occasional.</td>
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<tr>
<td>HFT 4949 RCHM-RCHM</td>
<td>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.</td>
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<tr>
<td>HFT 3306 RCHM-HPH</td>
<td>Foundations of Health Information Management (HIM); PR: ENC 1102. Foundation of professional issues; release of information; record indexation, numbering and filing systems; standards for long-term care; ambulatory care, and mental health records Fall, Spring.</td>
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<tr>
<td>HFT 3116C RCHM-HPH</td>
<td>Health Record Organization and Management; PR: HFT 3005 and access to the upper-division limited access HIM program; or C.I. Nomenclature/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; accrediting and approving agencies; medical staff organization Fall, Spring.</td>
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<tr>
<td>HFT 3806C RCHM-HPH</td>
<td>Professional Practice Experience I; PR: Admission to HIM program. CR: HIM 3006, HSC 3537 and HIM 3116C Virtual hospital tour; master patient index; numbering and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information Fall, Spring.</td>
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<tr>
<td>HFT 4226C RCHM-HPH</td>
<td>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.</td>
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<tr>
<td>HFT 4256C RCHM-HPH</td>
<td>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.</td>
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<tr>
<td>HFT 4344C RCHM-HPH</td>
<td>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, Spring.</td>
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<tr>
<td>HFT 4508C RCHM-HPH</td>
<td>Quality Management; PR: HSC 3537 or C.I. Principles and mechanics of quality improvement; utilization review; case management and risk management. Fall, Spring.</td>
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<tr>
<td>HFT 4524C RCHM-HPH</td>
<td>Health Data Management; PR: Acceptance into HIM program or C.I. Health care statistics, data analytics and data usage specific to health informatics and information management will be explored in depth Fall, Spring.</td>
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<tr>
<td>HFT 4656C RCHM-HPH</td>
<td>Health Information Management Systems; PR: or CR: HIM 3006. Vitalization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts Fall, Spring.</td>
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<tr>
<td>HFT 4676 RCHM-HPH</td>
<td>Professional Development and Issues in Health Information Management; PR: HIM 4344C, HIM 4508C. Analysis of management functions in health care setting; the HIM professional as an educator; problem-solving techniques; professional ethics; alternative careers Spring.</td>
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<tr>
<td>HFT 4816C RCHM-HPH</td>
<td>Professional Practice Experience II; PR: HIM 3800C and CR: HFT 4226C, HFT 4256C, HIM 4344C, and HIM 4508C. Transcription; coding; quality improvement; risk management; human resources: recruitment, credentialing, and licensing; revenue management system; medical staff organization Fall, Spring.</td>
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<tr>
<td>HFT 4838 RCHM-HPH</td>
<td>Management Affiliation; PR: or CR: HFT 4676 and HFT 4676. Assignment to a selected health care facility serving in a management capacity under the direction of a Registered Health Information Administrator; lab exercises; comprehensive exam. Fall, Spring.</td>
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<tr>
<td>HIM 5118C RCHM-HPH</td>
<td>Health Care Informatics and Information Technology; PR: Admission to M.S. in Health Care Informatics or C.I. An overview of information systems in healthcare and information technology in healthcare decision making. Ethical, planning, and legal issues of informatics will be explored Fall.</td>
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<tr>
<td>HIS 3949 CAH-HIST</td>
<td>Cooperative Education in History; PR: Departmental permission required. Fall, Spring. Cooperative education experience in history. Graded S/U. May be repeated for credit. Occasional.</td>
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<tr>
<td>HIS 4065 CAH-HIST</td>
<td>Public History: Principles &amp; Techniques; PR: AMH 2020 or C.I. Practice of public history including historic preservation, museum studies, archival management, oral history, digital history, historical editing, and conservation science. Occasional.</td>
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<tr>
<td>HIS 4150 CAH-HIST</td>
<td>History and Historians; PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times Fall, Spring.</td>
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<tr>
<td>HIS 4490 CAH-HIST</td>
<td>History of Medicine; PR: AMH 2010 or AMH 2020. The history of medicine and its relationship to culture and society from the Ancient World to the present. Occasional.</td>
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<tr>
<td>HIS 4935 CAH-HIST</td>
<td>Senior Seminar; PR: Senior standing, history major, and C.I. Research in history through an independent reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.</td>
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<tr>
<td>HIS 4944 CAH-HIST</td>
<td>Internship in Public History; PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions Fall, Spring.</td>
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<tr>
<td>HIS 4959 CAH-HIST</td>
<td>History Portfolio; PR: &quot;C&quot; or better in HIS 4150 and Senior standing. In the term they are graduating, History B.A. students revise their portfolio and submit for approval Fall, Spring.</td>
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<tr>
<td>HIS 4970 CAH-HIST</td>
<td>Senior Thesis; Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. Occasional.</td>
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<tr>
<td>HIS 4970H CAH-HIST</td>
<td>Senior Thesis; PR: &quot;C&quot; or better in HIS 4150 and Senior standing. The term they are graduating, History B.A. students revise their portfolio and submit for approval Fall, Spring.</td>
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<tr>
<td>HIS 49970H CAH-HIST</td>
<td>Senior Thesis;letter grade. Occasional.</td>
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<tr>
<td>HIS 5067 CAH-HIST</td>
<td>Introduction to Public History; PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.</td>
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<tr>
<td>HIS 5083 CAH-HIST</td>
<td>Cultural Heritage Management; PR: Standing, HIS 5067, or C.I. Readings in the debates and issues of international management of cultural heritage and property, including introduction to UNESCO standards. Occasional.</td>
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</tbody>
</table>
Health Services Administration Field, provide a foundation or C.I. Heighten the overall student awareness about the:

HSA 3104 HPA-HMI  3(3,0)  Health Services Administration Cornerstone: C.I. Students major and Sophomore standing, or C.I. Heighten the overall student awareness about the Health Services Administration Field, provide a foundation or framework to guide students through the major. Fall, Spring.

HSA 3111 HPA-HP  3(3,0)  U.S. Health Care Systems: PR: CGS 1060C or CGS 2100C and Sophomore Standing. A survey of the economic, social, and political aspects of the health care system in the United States. Fall, Spring.


HSA 3222 HPA-HP  3(3,0)  Long Term Care and Administration: PR: HSA major and Sophomore standing, or C.I. Organization and functioning of long-term care administration. Covers long-term care providers, interaction in long-term care continuum, managing long-term care and future issues. Even Fall, Spring.

HSA 3423 HPA-HMI  3(3,0)  Health Law: PR: HSA or HMI major, and HIM 3005, or C.I. Principles of law as applied to the health field, with special reference to health practices and information management. Fall.

HSA 3430 HPA-HP  3(3,0)  Health Care Economics: PR: HSA 3111; ECO 2022, or C.I. To provide an application of economic principles to analyze how different economic incentives affect patients, providers, and policy makers behaviors in the delivery of health services. Fall, Spring.

HSA 4109 HPA-HP  3(3,0)  Principles of Healthcare Reimbursement, Insurance, and Managed Care Plans: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of managed care. Even Fall, Spring.

HSA 4110 HPA-HP  3(3,0)  Organization & Management for Health Agencies I: PR: HSA 3111 or admitted to HMI program. Management of health care organizations, strategic planning, healthcare economics, and healthcare financial management. Fall, Spring.

HSA 4184 HPA-HP  3(3,0)  Organization & Management for Health Agencies II: PR: HSA 3111 and HSA 4180, or C.I. Management of health care organizations including hospitals, long term care facilities, and medical group practices. Fall.
UFT Courses and Descriptions

HSC 4500 HPA-HP  3(3,0)
Epidemiology: PR: HSA 3111 and (STA 2014C or STA 2023), or C.I. A study of the distribution and determination of diseases and injuries in human population. Fall, Spring.

HSC 4501 HPA-HP  3(3,0)
Epidemiology of Chronic Diseases: PR: ZOO 3733C, PCB 3703C, and (STA 2014C or STA 2023). Epidemiology of chronic diseases including risk factors, etiology, mortality and morbidity as they relate to clinical practice, research, and intervention. Occasional.

HSC 4553 HPA-HP  3(3,0)
Concepts in Pathophysiological Diagnostics: PR: HSC 4555 or HSC 4558, and Senior standing. Basic principles of diagnosis with a focus on methodology and relevance to pathophysiology. Occasional.

HSC 4555 HPA-HP  3(3,0)
Pathophysiology I: PR: ZCO 3733C and PCB 3703C, or C.I. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the immune, cardiovascular, respiratory, and renal systems. Fall, Spring.

HSC 4558 HPA-HP  3(3,0)
Pathophysiology II: PR: PCB 3703C and ZCO 3733C. Abnormalities in physiologic functioning of the human body, with focus on the etiology, pathogenesis and clinical manifestations of the digestive, hepatobiliary, nervous, endocrine, and cardiovascular systems. Fall, Spring.

HSC 4654 HPA-HP  3(3,0)
Health Care Needs of the Elderly: PR: HSA 3111 or C.I. Overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4572 HPA-HP  3(3,0)
Clinical Nutrition: PR: HUN 2201. Basic principles of both normal and medical nutrition therapy associated with health and chronic diseases of public health importance. Fall, Spring.

HSC 4652 HPA-HP  3(3,0)
Health Law and Ethics: PR: ENC 1102 and Junior Standing; or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 HPA-HP  3(3,0)
Applied Health Research Methodology: PR: (STA 2023 or STA 2014C) and Junior Standing. Clinical research issues including clinical research questions, protocol, patient safety, IRB, ethics and patient rights. Occasional.

HSC 4930 HPA-HP  3(3,0)
Senior Seminar: PR: Senior standing, Health Sciences Pre-Clinical Track only. Career and graduate school preparation and application of clinical and translational research in healthcare. Fall, Spring.

HSC 5317 ED-EAHS  3(3,0)
Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, methodology, and curriculum to develop a comprehensive school health program. Occasional.

HUM 2020 CAH-PHI  3(3,0)
Encountering the Humanities: The range of ideas, research methods and approaches to scholarship, critical reflection, and creative work in the humanities. Spring.

HUM 2210 CAH-PHI  3(3,0)
Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2210H CAH-PHI  3(3,0)
Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

HUM 2230 CAH-PHI  3(3,0)
Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2230H CAH-PHI  3(3,0)
Honors Humanistic Tradition II: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Honors content. Spring.

HUM 2349 CAH-PHI  3(3,0)
Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 3005 CAH-PHI  3(3,0)
Research Theory in the Humanities: PR: HUM 2210 and HUM 2230, or C.I. Theories of interpreting technologies, texts, and practices, with emphasis on film, visual/performing arts, music, religion, and philosophy. Occasional.

HUM 3830 CAH-PHI  3(3,0)
Introduction to Digital Humanities: PR: Grade of "C" (2.0) or better required in one of the following: ENC 1101, ENC 1102, PHI 2010, HUM 2210, or HUM 2230 or C.I. Investigation of the application of digital tools to humanities questions, and to questions about contemporary life. Fall.

HUM 4301 CAH-PHI  3(3,0)
The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, activity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4330 CAH-PHI  3(3,0)
Performance Theory: PR: Junior standing and HUM 2230 and either PHI 2010, PHI 2011, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performances, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4459 CAH-PHI  3(3,0)
American Cultural Studies in Humanities: PR: HUM 2210 and HUM 2230; or C.I. Theories of culture intersecting race, class, gender, religion, ability, and national identity in North America. Occasional.

HUM 4823 CAH-PHI  3(3,0)

HUM 4826 CAH-PHI  3(3,0)
Postcolonial Theory: PR: HUM 2210 and HUM 2230; Junior standing. interdisciplinary overview of postcolonial philosophy, literature, film, and cultural theory. Even Fall.

HUM 4931 CAH-PHI  3(3,0)
Key Figures in the Humanities & Cultural Studies: PR: HUM 2020 or C.I. Study of a central Humanities/Cultural Studies figure's work, influences, reception, and effect. May be repeated for credit only when course content is different. Occasional.

HUM 4933 CAH-PHI  3(3,0)
Senior Research Seminar: PR: Senior standing and Humanities major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

HUM 4934 CAH-PHI  3(3,0)
Key Concepts in Humanities & Cultural Studies: PR: HUM 2020 or C.I. Study of the development, meaning, and implications of a central concept in the Humanities and Cultural Studies. May be repeated for credit only when course content is different. Occasional.

HUM 2201 HPA-HP  3(3,0)
Human Nutrition: PR: or CR: ZCO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.

HUM 3011 CON-NURS  3(3,0)
Human Nutrition: PR: or CR: ZCO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychosocial, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.

HUN 5247  HPA-HP  3(3,0)  Principles of Human Nutrition: PR: Admission to Health Services M.S. Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.

IDC 5602  GRDST-INTERDIS  3(3,0)  Cybersecurity: A Multidisciplinary Approach: PR: Graduate standing or C.I. Interdisciplinary M&S fundamentals as applied to cybersecurity including operating system installation and administration for hardware, network architectures, configurations, behavioral aspects, organizational continuity planning, security management. Fall.


IDH 1921H  BHC-HON  2(2,0)  Honors Symposium II: PR: IDH 1920H. Readings, lectures, and discussions covering aspects of scholarship, artistic, and other creative efforts. Graded S/U. Spring.

IDH 3101H  BHC-HON  3(3,0)  Honors Cultural Traditions of India: PR: Consent of Honors. Integrative background of Indian culture, philosophy and art. Instruction on music, yoga, dance and Indian fine arts. Fall, Spring.

IDH 3600H  CAH-PHIIL  3(3,0)  Honors Case Studies in Ethics: PR: Permission of Honors or C.I. A case-study approach to contemporary ethical issues. Students will apply critical thinking skills and ethical theories to interdisciplinary problems and will participate in team debates. With Honors content. Fall.

IDH 4030H  BHC-HON  1(3,0)  Honors Windows To The World: PR: Permission of Honors and IDH 1921H, enrolled in Accelerated Pre-med Program; or C.I. Students will cultivate an active sense of the liberal arts and sciences as they prepare for prestigious medical schools. Graded S/U. May be repeated for credit. Occasional.

IDS 2042C  COS-COS  2(1,1)  LEAD Colloquium: PR: Must have completed 2 of the following with a grade of B or better. IDS 1040C, GEB 1090, ENC 1102, PSY 1030C, or EDF 1930C. Experiential leadership in an appropriate setting with LEAD Scholars Program. Graded S/U. Occasional.

IDS 3150  UGST-INTERDIS  3(3,0)  Foundations of Environmental Studies: PR: Junior standing, complete equivalent of UCF Science and Math GEP. An overview of the approaches taken by different disciplines to address regional, national, and global environmental issues. Spring.

IDS 3333  UGST-INTERDIS  3(3,0)  World Comparative Studies: PR: ENC 1102 or C.I. Comparative study of cultures, economies, languages, and social systems using approaches and data from multiple disciplines. Occasional.

IDS 3933  UGST-INTERDIS  3(3,0)  Cornerstone Experience: PR: ENC 1102. Junior standing, Interdisciplinary Studies major, or C.I. Interdisciplinary study essentials, including basic concepts and methodological tools, to synthesize material from disparate fields and apply them to academic plans and career goals. Fall, Spring.

IDS 4204C  ECS-ECS  3(2,2)  Advanced Topics on Energy Sustainability: PR: ECS 3333, Junior standing, and Interdisciplinary Studies major or C.I. Current topics in energy and sustainability. Seminars and lectures from industry, academia, government, and UCF speakers. Students are required to work on individual or team assignments, research projects, and present their work in the format of mini seminars. Occasional.

IDS 4934  UGST-INTERDIS  3(3,0)  Capstone Experience: PR: Encyclopedia of Life Sciences track or C.I. Senior standing, and Interdisciplinary Studies major or C.I. Student exposition of coursework demonstrating the understanding of interdisciplinary approaches and successful synthesis of interdisciplinary studies, applied to the course of study and academic/career goals. Fall, Spring. M&S fee $17.00.

IDS 5127  COM-BSSS  3(3,0)  Foundation of Bio-Imaging Science: PR: Graduate standing. Fundamental theory, design, and practice of bio-imaging techniques used for basic biomedical research applications. Occasional.

INP 3004  COS-PSYCH  3(3,0)  Industrial/Organizational Psychology: PR: PSY 2012. Psychological theories and principles applicable to problems in industrial organizations. Fall, Spring.

INP 3004H  COS-PSYCH  3(3,0)  Honors Industrial/Organizational Psychology: PR: PSY 2012 and consent of Honors. Psychological theories and principles applicable to problems in industrial organizations. With Honors content. Occasional.

INP 3141C  COS-PSYCH  1-3(0-3,9)  Advanced Applied Psychology: PR: PSY 2012 and C.I. Course will explore application of psychological knowledge to clinical, experimental industrial, or organizational settings. Supervised laboratory experience is required. Graded S/U. May be repeated for credit. Fall, Spring.

INP 3951  COS-PSYCH  3(3,0)  Industrial/Organizational Field Work: PR: C.I. An opportunity for advanced undergraduate psychology majors to become involved in the application of I/O psychology to local organizations. Occasional.

INP 4313  COS-PSYCH  3(3,0)  Organizational Psychology: PR: PSY 2012. Analysis of the psychological principles underlying individual and group behavior in an organizational setting. Topics include group dynamics, leadership and participation, interpersonal behavior, and organization development. Fall.

INP 4380  COS-PSYCH  3(3,0)  Psychology of Teamwork: PR: PSY 2012 or C.I. Dynamics of small groups and teams from social and applied psychology perspectives. Occasional.

INP 5825  COS-PSYCH  3(3,0)  Human-computer Interface (HCI) design: A team approach: PR: Graduate status or senior standing or C.I. Interdisciplinary approach to human-computer interface design, including behavior, engineering, computer science, and instructional aspects. Tools and techniques for team development and the evaluation of software for usability. Occasional.

INR 2002  COS-POLS  3(3,0)  International Relations-Theory and Practice: PR: ENC 1102 or C.I. Analysis of the fundamental principles and factors affecting interstate relations and their application to contemporary global developments. Fall, Spring.

INR 3016  COS-POLS  3(3,0)  Global Political Issues: PR: POS 2041 or C.I. Current global political topics from political development and income and gender issues and environmental challenges. Occasional.


INR 3253  COS-POLS  3(3,0)  International Politics of Africa: PR: ENC 1102 or C.I. Theories and practices of international politics and foreign policy in Africa, with particular attention on U.S.- Africa relations. Occasional.

INR 4008  COS-POLS  3(3,0)  Global Perspectives: PR: ENC 1102 or C.I. The historical and contemporary contexts of globalization. Fall, Spring.

INR 4011  COS-POLS  3(3,0)  Politics of Globalization: PR: ENC 1102 or POS 2041 or C.I. Major political causes and consequences of globalization. Occasional.

INR 4030  COS-POLS  3(3,0)  Diplomacy: PR: ENC 1102 or POS 2041 or C.I. Concepts, theories, and methods of contemporary diplomacy; diplomatic processes in the international arena. Spring.


INR 4035  COS-POLS  3(3,0)  International Political Economy: PR: ENC 1102 or POS 2041 or C.I. The international politics of regional and global economic interdependence, with emphasis upon current issues and relations, the New International Economic Order, OPEC, and multinational corporations. Odd Spring.

INR 4054  COS-POLS  3(3,0)  Global Politics of Energy: PR: ENC 1102 or POS 2041 or C.I. International/national dimensions of global energy policy within developed and underdeveloped countries. Occasional.

INR 4060  COS-POLS  3(3,0)  Causes of War: PR: ENC 1102 or POS 2041 or C.I. The primary theoretical and empirical research explaining militarized interstate conflict. Fall.

INR 4063  COS-POLS  3(3,0)  The Cold War: PR: ENC 1102 or POS 2041 or C.I. Political and military relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 4074  COS-POLS  3(3,0)  Immigration Policy: PR: ENC 1102 or POS 2041 or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. Occasional.

INR 4075  COS-POLS  3(3,0)  Human Rights Policy: PR: ENC 1102 or POS 2041 or C.I. Meaning of human rights, political and international implications of human rights policies, relationship to global peace, racism, gender inequality, economic development and democratization. Spring.

INR 4076  COS-POLS  3(3,0)  Global Drug Policy: PR: ENC 1102 or POS 2041 or C.I. International drug control issues, policy formulation and impact, government of political economic systems on drug policy. Selected Latin American and Third World cases. Odd Spring.

INR 4083  COS-POLS  3(3,0)  War and Violent Politics: PR: POS 2041 or C.I. The theoretical and practical disciplinary debates on war and related phenomena, including civil war, genocide, and riots. Occasional.

INR 4084  COS-POLS  3(3,0)  Politics of International Terrorism: PR: ENC 1102 or POS 2041 or C.I. International/national dimensions of global political terrorism emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 4085  COS-POLS  3(3,0)  Women, Gender, and Globalization: PR: ENC 1102 or POS 2041 or C.I. Feminist and gender perspectives in International Relations, Globalization, and International Political Economy. Occasional.
INR 4102 COS-POLS  3(3,0)
American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. Development of American foreign policy, with emphasis on the role of the United States in the contemporary world. Odd Fall.

INR 4104 COS-POLS  3(3,0)
Topics and Cases in American Foreign Policy: PR: ENC 1102 or POS 2041 or C.I. General or intensive analysis of problems or aspects of U.S. foreign policy. Issues may include September 11th, homeland security, counter-terrorism, policymaking and decision-making and intelligence. Odd Spring.

INR 4114 COS-POLS  3(3,0)
American Security Policy: PR: ENC 1102 or POS 2041 or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

INR 4115 COS-POLS  3(3,0)
Strategic Weapons and Arms Control: PR: ENC. ENC 1102 or POS 2041 or C.I. Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4116 COS-POLS  3(3,0)
America’s 21st Century Wars: PR: POS 2041 or C.I. The causes, conduct, and consequences of the US wars in Iraq and Afghanistan. Occasional.

INR 4223 COS-POLS  3(3,0)
Contemporary International Politics of Asia: PR: ENC 1102 or POS 2041 or C.I. Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225 COS-POLS  3(3,0)
The Vietnam War: PR: POS 2041 or INR 2002, or C.I. Background of events leading to America’s involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparted. Occasional.

INR 4243 COS-POLS  3(3,0)
International Politics of Latin America: PR: ENC 1102 or POS 2041 or C.I. Study of contemporary U.S.-Latin American relations, inter-American politics and organization, and the role of Latin America in the world. Occasional.

INR 4304 COS-POLS  3(3,0)
Issues in International Public Policy: PR: ENC 1102 or POS 2041 or C.I. The study of contemporary international public policy issues, which influence select international public policy issues. Occasional.

INR 4333 COS-POLS  3(3,0)

INR 4335 COS-POLS  3(3,0)
Coercion in International Politics: PR: ENC 1102 or POS 2041 or C.I. Examination of the role of coercive techniques among states in a nuclear age, ranging from nuclear strategy to deterrence to wars of national liberation and coups. Even Fall.

INR 4350 COS-POLS  3(3,0)
Global Environmental Politics: PR: ENC 1102 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

INR 4351 COS-POLS  3(3,0)
International Environmental Law: PR: ENC 1102 or POS 2041 or C.I. Examination of global efforts to establish a treaty regime for environmental protection of earth’s biosphere when challenged by national sovereignty and economic and cultural diversity. Occasional.

INR 4364 COS-POLS  3(3,0)
The Intelligence Community: PR: ENC 1102 or POS 2041 or C.I. The intelligence community structure in its relationship to foreign policy decision making, consideration of competing intelligence organizations, and issues of cooperation and coordination. Spring.
Designing news pages, including stories, headlines, and city, county and state government.

Public Affairs Reporting: of 2 times.

Practicum: (2.0) in JOU 2100C. The magazine industry, emphasizing magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. Practical aspects of social media writing and create their own blogs based on journalism practices. Students will learn about the practices of social media writing and create their own blogs based on journalism practices. Fall.

JOU 3184C COS-COMM 3(2.1)
Metro Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Spring.

JOU 3201 COS-COMM 3(3.0)
Editing I: PR: PR: Journalism major or Magazine Journalism minor. Text editing, including preparation of manuscripts. Fall, Spring.

JOU 3301 COS-COMM 3(3.0)
Journalism Readings: PR: Either SPC 1608, SPC 1608C, COM 1000, or C.I. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. Occasional.

JOU 3310 COS-COMM 3(3.0)
Social Media Writing for Magazines: PR: JOU 2100C or PUR 3100. Social media writing for traditional magazines and journalism-based "zines." Students will learn about the practices of social media writing and create their own blogs based on journalism practices. Fall.

JOU 3313C COS-COMM 3(2.1)
Sports Reporting: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Covering sports for the media; issues, principles, and practices. Occasional.

JOU 3510 COS-COMM 3(3.0)
Magazine Publishing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of "C" (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Fall.

JOU 3912 COS-COMM 3(3.0)
Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1608C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

JOU 4181 COS-COMM 3(3.0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of "C" (2.0) in JOU 2100C and a minimum grade of "C" (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. Occasional.

JOU 4211C COS-COMM 3(2.1)
Informational Graphics: PR: Journalism major and a minimum grade of "C" (2.0) in JOU 2100C. Use of boxes, charts and graphics in electronic media. Occasional.

JOU 4213C COS-COMM 3(2.1)
Page Design: PR: Journalism major and JOU 3201. Designing news pages, including stories, headlines, and other content. Fall, Spring.
UCF Courses and Descriptions

JST 3417 CAH-JUD 3(3,0)

JST 3424 CAH-JUD 3(3,0)
Biblical Archaeology: PR: ENC 1102. Examines archaeological excavations in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. Biennial, even.

JST 3450 CAH-JUD 3(3,0)
Modern Jewish Experience: PR: ENC 1102 or C.I. Reading in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from pre-state and traditioanlife to modernity in Europe, America and pre-state Israel. Occasional.

JST 3481 CAH-JUD 3(3,0)
20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Soloveitchik, within the historical context of European immigration to the U.S. Occasional.

JST 3510 CAH-JUD 3(3,0)
Notable Women in Jewish History: PR: ENC 1102 or C.I. Historical and cultural role of exceptional women in Judaism. Occasional.

JST 3550 CAH-JUD 3(3,0)
Introduction of Modernism into Judaism: The transition from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

JST 3551 CAH-JUD 3(3,0)

JST 3620 CAH-JUD 3(3,0)

JST 3701 CAH-JUD 3(3,0)

JST 3751 CAH-JUD 3(3,0)

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)

JST 3820 CAH-JUD 3(3,0)
Modern Israeli Culture: PR: ENC 1102. Development of the State of Israel: Political and ideological struggle for the establishment of the State of Israel, with emphasis on forces which shaped contemporary Israeli society and politics. Occasional.

JST 3821 CAH-JUD 3(3,0)
Building a Nation - the Challenges to and Accomplishments of the State of Israel: PR: Grade of C (2.0) or better in ENC 1102 or C.I. Development of Israel as a nation, including elements of nation building, the role of religion, culture, science, hi-tech and higher education. Occasional.

JST 3841 LAE 3414 ED-TL&L 3(3,0)
Literature for Children: PR: Admission to Undergraduate Elementary Education Program or C.I. Criteria for analysis and evaluation of children's literature in terms of interests, needs, and abilities of children. Fall, Spring.

JST 3841 LAE 3414 ED-TL&L 3(3,0)
Language Arts in the Elementary School: PR: EDG 4410 or C.I. Content, principles, materials, and techniques involved in teaching, speaking, listening, writing, and spelling in the elementary school; organizing for instruction. Fall, Spring.

JST 3842 LAE 3424 ED-TL&L 3(3,0)
Programs in Teaching Language and Composition: PR: EDG 4410 or C.I. 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.

JST 3846 LAE 3460 ED-TL&L 3(3,0)
English Instructional Analysis: PR: EDG 4410, EDF 4467, TSL 4089, and LAE 4464. CR: LAE 4342. 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.

JST 3846 LAE 3461 ED-TL&L 3(3,0)
Literacy Strategies in a Digital Age for Middle and High School: PR: EDG 4410 and EDF 4467. Assists teachers in presenting information using digital literacy. Technology, innovations and multicultural models of instruction, emphasizing language skills for middle and high school adolescents. Spring.

JST 4464 LAE 4464 ED-TL&L 3(3,0)
Survey of Adolescent Literature: PR: ENC 1101 and admission to the college. This course is designed to explore adolescent literature from an educational and historical perspective. Spring.

JST 5195 LAE 5195 ED-TL&L 3(3,0)
CFWP Teacher Consultant: PR: C.I. This course is designed for Fellows of the CFWP Summer Institute who will plan, practice, and present writing inservice components to public schools. Occasional.

JST 5295 LAE 5295 ED-TL&L 3(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.

JST 5319 LAE 5319 ED-TL&L 3(3,0)
Methods of Elementary School Language Arts: PR: Graduate standing. Principles, procedures, organization and current practices in reading, writing, listening, and talking. Fall.

JST 5337 LAE 5337 ED-TL&L 3(3,0)
Literacy Strategies for Middle and Secondary Teaching: PR: EDG 4415 or C.I. Designed to assist teachers and graduate students understanding the adolescent learner. This course will examine theory, strategies, research, resources and implementation options for effective middle and secondary literacy programs. Fall, Spring.

JST 5415 LAE 5415 ED-TL&L 3(3,0)
Children's Literature in Elementary Education: Survey of children's literature; criteria for analysis according to literary elements and child development needs. Methods for presenting to children; integrating literature with elementary curriculum. Spring.

JST 5456 LAE 5456 ED-TL&L 3(3,0)
Literature for Adolescents: PR: Senior standing or C.I. Selecting and evaluating books for adolescents with emphasis on the use of literature in the development of young people. Spring.

JST 5495 LAE 5495 ED-TL&L 3(3,0)
Assessing Writing: PR: C.I. Students will explore a variety of strategies for assessing students' writing including holistic scoring, primary trait scoring, and portfolio assessment. Spring.

JST 5496 LAE 5496 ED-TL&L 3(3,0)
Disciplinary Literacy in the Content Areas: PR: Graduate standing. Designed to assist in understanding the adolescent reader and writer, this course will examine theory, strategies, resources, and implementation options of disciplinary literacy specifically in the content areas (Mathematics, Science, Social Studies, and other content areas). Spring.

LAH 3130 CAH-HIST 3(3,0)

LAH 3200 CAH-HIST 3(3,0)
Modern Latin America: PR: WOH 2022. Investigates the broader themes of Latin American history from independence to the present. Occasional.

LAH 3400 CAH-HIST 3(3,0)
History of Mexico and Central America: PR: EUH 2000 and EUH 2001 or C.I. A survey of Mexican and Central American history from Pre-Columbian times to the present. Occasional.

LAH 3470 CAH-HIST 3(3,0)

LAH 4136 CAH-HIST 3(3,0)
Modern History: PR: AMH 2010 and AMH 2020 or C.I. History of Spanish Colonial Florida until 1821. Odd Fall.

LAH 4461 CAH-HIST 3(3,0)

LAH 4480 CAH-HIST 3(3,0)

LAH 4503 CAH-HIST 3(3,0)
History of South America: PR: WOH 2022 or C.I. History of South America by focusing on themes of economic, social, and cultural history in the 19th and 20th centuries. Occasional.

LAH 4512 CAH-HIST 3(3,0)

LAH 4630 CAH-HIST 3(3,0)
History of Modern Brazil: PR: WOH 2022 or C.I. Major themes of the history of modern Brazil (ca. 1750-present). Occasional.

LAH 4742 CAH-HIST 3(3,0)
The Mexican Revolution: PR: AMH 2020 or C.I. Political and social history of Mexico since 1910 and domination of one party rule over 70 years. Occasional.

LAH 4780 CAH-HIST 3(3,0)
Occasional.

LH 5713 CAH-HIST 3(3,0)

Colloquium in U.S.-Latin American Relations: PR: Graduate status or senior standing or C.I. The course will analyze U.S.-Latin American relations from a historical perspective, it will be presented through readings and discussion of selected materials. Occasional.

LH 5920 CAH-HIST 3(3,0)

Colloquium in Latin American History: PR: Graduate standing or C.I. Examines the major themes and historiography of recent works on Latin American history. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LAS 3002 CAH-LAS 3(3,0)

Topics in Latin American Studies: PR: SPN 1121C or SPN 2000 or equivalent or C.I. Contemporary issues in Latin America including, among others, transformational events in culture, politics, education, and business. Fall, Spring.

LAS 3101 CAH-LAS 3(3,0)


LAS 4023 CAH-AS 3(3,0)

African Caribbean Experience: PR: ENC 1102 or C.I. Integrative study of the evolution of Caribbean culture, its influence on institutions, social and political movements, and contemporary Caribbean society. Occasional.

LDR 2001 UGST-INTERDISC 2(2,0)

Foundations of Leadership: PR: Student enrolled in LEAD Students Leadership Studies minor or certificate. Introductory study into the foundations of leadership, including leadership theories and related principles and practices. Fall.

LDR 2002 UGST-INTERDISC 2(2,0)


LDR 2262 UGST-INTERDISC 1(0,1)

Focused Volunteer Community Service: Students will engage in volunteer experiences and reflect upon the value of those experiences. Graded S/U. Fall, Spring.

LDR 3215 UGST-INTERDISC 2(2,0)

Leadership Through Service: An Advanced Leadership Experience: PR: LDR 2001 and LDR 2002. Theories, processes, and leadership role in social change will be explored, contemporary leadership theories and practices related to citizenship and civic engagement will be studied, and leadership will be practiced in various settings. Fall.

LDR 3950 UGST-INTERDISC 2(2,0)

Leadership in Action: Capstone Experience for LEAD Scholars: PR: LDR 3215. Leadership issues and theories, including related principles and practices. Students will develop a professional portfolio, reflect on their course of study, practice public speaking, and articulate their leadership philosophy. Spring.

LEI 4266 ED-ESHS 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, hiking. Occasional.

LIN 3010 CAH-ENG 3(3,0)


LIN 3673 CAH-WRITE 3(3,0)

Rhetorical Grammar: PR: ENC 1102. Focus on learning and practicing grammatical techniques that today’s expert who uses to increase rhetorical impact on the reader. Occasional.

LIN 3713 HPA-COM SC&DIS 3(3,0)

Language Science: PR: or CR: SPA 3471. Language comprehension, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716 HPA-COM SC&DIS 3(3,0)

Language Development: PR: LIN 3713; CR: LIN 3716B. Spoken and written language development from infancy to adulthood. Fall, Spring.

LIN 3716L HPA-COM SC&DIS 2(0,2)


LIN 3717 HPA-COM SC&DIS 3(3,0)

Language Development: 9 - 18 Years: PR: LIN 3716. Examine language development in children from nine through eighteen years and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3(3,0)

History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 4600 CAH-WRITE 3(3,0)

Language and Society: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines the role language plays in society, and the relationship of sociolinguistic variations to identity and culture. Occasional.

LIN 4615 CAH-ENG 3(3,0)

African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinesics, proxemics, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(3,0)

Cross Cultural Communication: PR: Junior standing or C.I., and (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H CAH-ENG 3(3,0)

Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors level content. Occasional.

LIN 4660 CAH-ENG 3(3,0)

Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4680 CAH-ENG 3(3,0)

Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-COM SC&DIS 3(3,0)


LIN 4711L HPA-COM SC&DIS 1(0,1)

Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711. Introduction to procedures for sampling, analyzing, and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801 CAH-ENG 3(3,0)

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(3,0)

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 5575 CAH-ENG 3(3,0)

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 2110 CAH-ENG 3(3,0)

World Literature I: PR: ENC 1102. Poetry, prose, and drama selected from ancient Hebrew, Greek, and Oriental literature and from that of Renaissance Europe. Fall, Spring.

LIT 2120 CAH-ENG 3(3,0)

World Literature II: PR: ENC 1102. Readings from French, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 3082 CAH-ENG 3(3,0)

Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3132 CAH-ENG 3(3,0)

Legend & Literature of King Arthur: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Surveys 1500 years of Arthurian legend and literature, including such authors as Thomas Malory, Chretien de Troyes, and Mark Twain. Occasional.

LIT 3192 CAH-ENG 3(3,0)

Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Occasional.

LIT 3192H CAH-ENG 3(3,0)

Honors Caribbean Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. How Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture; taught in English. Honors content. Occasional.

LIT 3202 CAH-ENG 3(3,0)

Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3202H CAH-ENG 3(3,0)

Honors Death and Dying: PR: ENC 1102H or equivalent credit, and consent of Honors. Explores the subject of death and grief in a variety of literary genres (fiction, memoir, non-fiction). With Honors content. Occasional.

LIT 3206 CAH-ENG 3(3,0)

Place and Space in Literature: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Analysis of how authors develop place and space and how this creates meaning in texts. Occasional.

LIT 3212 CAH-ENG 3(3,0)

Research & Writing About Literature: PR: Grade of "C" (2.0) or better in ENC 1102 or C.I. Research, writing, and critical analysis skills applicable to upper-level literature courses Occasional.

LIT 3313 CAH-ENG 3(3,0)


LIT 3313H CAH-ENG 3(3,0)

Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.
Analysis of media to determine popular values in the cultural roles affect student writers. Gendered aspects, and how these ideals, stereotypes, and images of writers in films and texts, including multicultural and intercultural perspectives. With honors content. Occasional.

Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

Honors Literature in Women's Studies: PR: Permission of Honors and ENC 1102H or equivalent credit. Literature related to women: essays, short stories, plays, poetry, diaries, and novels. Honors content. Occasional.

Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Details short stories, plays, poetry, diaries, and novels will be covered. Occasional.


Environmental Justice Literature: PR: ENC 1102. Literary and creative works from an international authors address issues and stories related to environmental justice themes, such as toxics and land use. Occasional.


Literature and War: PR: Grade of "C" (2.0) or better in ENC 1102. C.I. Varied representations of war in literature. Occasional.

Mad, Bad, and Dangerous: Roles and Images of Writers in Society: PR: English major or minor, junior standing, and Grade of "C" (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Representatives of writers in films and texts, including multi-cultural and gendered aspects, and how these ideals, stereotypes, and cultural roles affect students, writers. Occasional.

Literary Modernism: PR: ENC 1102. Examines a specific period, a literary movement, and a set of aesthetic/formal approaches related to poetry, novels, essays, and manifestos. Occasional.

Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. Occasional.

Modern Asian Literature: PR: ENC 1102. Asian literature in different genres translated into English or written in English from the modern period. Various countries emphasized in different iterations. Occasional.

Chinese Poetry in Translation: PR: Grade of "C" (2.0) or better in ENC 1102; or C.I. Chinese poetry in English translation, either as a survey or with focus on particular periods, movements, or styles. Occasional.

Translating Modern Chinese Novels: PR: Grade of "C" (2.0) or better in ENC 1102; or C.I. Chinese novels in English translation from the modern and contemporary periods. Occasional.

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.

Topical in World Literature: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Themes, modes, and genres from literature outside of the U.S. May be repeated for credit only if content is different. Occasional.

Topics in Popular Fiction: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Examines genres in popular fiction such as the western, romance, detective, fantasy, horror, or mystery. May be repeated for credit only if content is different. Occasional.

Literature and Law: PR: Grade of "C" (2.0) or better required in ENC 1102 or C.I. Reading, analysis, and discussion of law, crime, and punishment in literature from historical or contemporary perspectives. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.


Modern Drama as Literature: PR: Grade of C (2.0) or better required in ENC 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

Irish Literature: PR: Grade of C (2.0) or better required in ENC 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

Postcolonial Theory and Literature: PR: Grade of C (2.0) or better required in ENC 3014. Focus on the nature of colonial discourse, the strength of postcolonial rewritings, and the relationship of postcolonial theory to other theories. Occasional.

World Authors: PR: ENC 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.

Post-War World II Fiction: PR: Grade of C (2.0) or better required in ENC 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. Occasional.

Literature of the Bible: PR: Grade of C (2.0) or better required in ENC 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.

Translated Literature as a Survey of Literature: 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.

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.

Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENC 3014. An advanced exploration of feminist critical theories and perspectives. Occasional.


Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.

Introduction to Complex Variables: PR: MAC 2313 and MAA 3202 and MAA 3302, or C.I. Analytic functions and complex integral. Residue integration, Taylor and Laurent series, conformal mapping and the application of complex analysis to Potential Theory. Spring.

Topics in Analysis: PR: MAS 3106 and MAA 4226, or C.I. Advanced topics in analysis. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

Topics in Advanced Calculus: PR: MAS 3105, MAF 2302, or equivalent or C.I. Real numbers, epsilon-delta language, limits, continuity, integration, differentiation, Taylor’s theorem, series, uniform convergence, inverse and implicit function theorems. Fall.

Analysis II: PR: MAS 3106 or C.I. Real numbers, limits, differentiation, Riemann integrals, Riemann-Stieltjes integrals, calculus in R^n; metric and normed spaces, contraction mapping theorem, inverse and implicit function theorems. Fall.

College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAF 2302 with a C (2.0) or better, or C.I. Inequalities. High degree polynomials, Graphs, rational, logarithmic, and exponential functions. Systems of equations. The "NC" grading policy applies to this course. Fall, Spring.

College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or Intermediate algebra or 2 years of high school algebra, and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic, analytic) and conic sections, analysis of systems of linear equations, sequences and series, mathematical induction, and the binomial theorem. The "NC" grading policy applies to this course. Occasional.

Pre-Calculus Algebra: PR: Appropriate score on the Math Placement Exam, or MAC 1105C with a C (2.0) or higher, or C.I. The circle arc length, identities, trigonometric functions, inverse functions, applications to simple harmonic motion, function of angles, complete development of triangle solving; Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

Pre-Calculus Algebra: PR: Appropriate score on the Math Placement Exam, or MAC 1105C with a C (2.0) or better, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, conics, induction, binomial theorem. Introduction to limits. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.
MAC 1140H COS-MATH 3(3,0)
Honors Pre-Calculus Algebra: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1133C with a C (2.0) or better, 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 context. 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 backgrounds 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 1140C 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 2233 or MAC 2311C. The "NC" grading policy applies to this course. Occasional.

MAC 2235 COS-MATH 3(3,0)
Applications of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1141C with a C (2.0) or better, or C.I. Applications of the integral calculus. Applications to engineering technology. Not open to students with credit in MAC 2233 or MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311C COS-MATH 4(3,2)
Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1141C with a grade of C (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1141 or MAC 1140C, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry, limits, continuity, differentiation of algebraic and trigonometric functions, applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. Not open to students with credit in MAC 2311C. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1141C with a grade of C (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1141 or MAC 1140C, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Differential 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 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0)
Honors Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, 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. With Honors content. Spring.

MAC 2104 COS-MATH 3(3,0)
Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAC 4203 COS-MATH 3(3,0)
Introduction to Combinatorics: PR: MAC 2312, and either MTH 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAC 4301 COS-MATH 3(3,0)
Introduction to Graph Theory: PR: Either MTH 3302 or COT 3100C, or C.I. Graph theory, isomorphism, connectivity, traversability, matchings, factorizations, planarity, colorings, and Ramsey number. Spring.

MAC 4934 COS-MATH 3(3,0)
Topics in Discrete Mathematics: PR: MAC 3301 and either MAD 4203 or MAD 4301, or C.I. Advanced topics in discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAC 5205 COS-MATH 3(3,0)
Graph Theory: PR: MAD 4203, graduate standing or C.I. Connectivity, Hamilton cycles, spanning trees, network flows, matchings, vertex and edge colorings planar graphs, extremal problems, Ramsey theory, spectral graph theory. Odd Spring.

MAD 2801 ED-TL&L 4(3,1)
Elementary School Mathematics: PR: MAC 1105C or MGF 1106. Mathematics appropriate for the elementary school including the six basic sets of numbers, concept learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAD 3310 ED-TL&L 3(3,0)
Elementary Mathematics for Teaching II: PR: Junior standing or C.I. The course will address pedagogical content knowledge for teaching whole number concepts and operations, integer concepts, geometry and algebraic reasoning. Fall, Spring.

MAD 3311 ED-TL&L 3(3,0)
Elementary Mathematics for Teaching II: PR: MTH 3310 with a C (2.0) or better. This course will address pedagogical content knowledge for teaching rational number concepts and operations, measurement, and algebraic reasoning. Fall, Spring.

MAD 4300 ED-TL&L 3(3,0)
Math Curriculum and Assessment in Early Childhood: PR: EDCI 4681, EDCI 4207, or EDCI 3341. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAD 4326 ED-TL&L 3(3,0)
UCF Courses and Descriptions

MAN 4046 BA-MAN 3(3,0) Teamwork, Collaboration, and Group Dynamics: PR: Admission to the Management major. Examination of concepts related to teams and group dynamics, and development of an understanding of how to become an effective team member, leader, and designer. Fall, Spring.

MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Admission to the Management major. MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of case and experimental exercises. Fall, Spring.

MAN 4143 BA-MAN 3(3,0) Leadership Development: PR: Admission to the Leadership Development program. Provides a foundation on the leadership development process and the impact leaders can have on individuals, groups, and organizations. Fall, Spring.

MAN 4209 BA-MAN 3(3,0) Designing Dynamic Organizations: PR: Admission to the Management major. Explores how innovative organization design represents an important source of competitive advantage for organizations of all types. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Admission to the Management major. MAN 3025. A course providing a macro approach to the study of organizations by integrating management major, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major. MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 3(3,0) Strategic Management: PR: MAN 3025, MAN 3022, FIN 3403 and GBE 3031. 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.

MAP 4103 COS-MATH 3(3,0) Mathematical Modeling I: PR: MAS 3105 or MAS 3106, and MAP 2302, or C.I. An introduction to the study of mathematical modeling. Spring.

MAP 4113 COS-MATH 4(4,0) Probability, Random Processes and Applications: PR: MAC 2313. Elementary probability theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications Occasional.

MAP 4153 COS-MATH 3(3,0) Vector and Tensor Analysis: PR: NAS 3105 or NAS 3106, and MAP 2302, or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0) Optimization: PR: MAC 2313, and MAP 2302, and MAS 3105 or MAS 3106, or C.I. Linear programming, dynamic programming, control theory, integer programming. Occasional.

MAP 4303 COS-MATH 3(3,0) Ordinary Differential Equations II: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Systems of linear differential equations, introduction to numerical solutions, stability theory and phase plane analysis, an introduction to limit cycles, bifurcations and chaos, power series solutions of differential equations. Occasional.

MAP 4341 COS-MATH 3(3,0) Introduction to Partial Differential Equations: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Introduction to second-order linear partial differential equations - heat, wave and Laplace equations, separation of variables in PDEs, Sturm-Liouville eigenvalue problems, Fourier series analysis and Green's functions, Laplace and Fourier transform methods. Occasional.

MAP 4342 COS-MATH 3(3,0) Partial Differential Equations II: PR: MAS 3105 or MAS 3106, and MAP 4341. Green's Functions, Integral Transforms, Laplace and Fourier transforms. Solution of heat, wave and potential equations, Bessel functions, Legendre functions, Fourier-Bessel series, PDEs in higher dimensions. Spring.

MAP 4371 COS-MATH 3(3,0) Numerical Methods for Differential Equations: PR: MAC 2313, and MAP 2302, and COP 3223C, and MAS 3105 or MAS 3106, or C.I. Numerical theory and practices used in solving ordinary differential equations and PDEs. Covers Euler's method, Runge-Kutta methods, multi-step methods, Runga-Kutta, error control, finite differences, implicit and explicit schemes, iterative methods, and stability. Fall.


MAP 4484 COS-MATH 3(3,0) Mathematical Biology I: PR: MAP 2302, and MAS 3105 or MAS 3106, or C.I. Mathematical models of single populations, predator-prey systems, competition between species, host-parasite systems, epidemics, genetics, excludable systems. Occasional.

MAP 4494 COS-MATH 3(3,0) Mathematical Biology II: PR: MAP 4484. Mathematics of permanence, persistence and stability of ecological communities; competition in special habitats; epidemics; immune system; optimal foraging; cancer modeling; physiological modeling; genetics; protein folding. Occasional.

MAP 4934 COS-MATH 3(3,0) Topics in Applied Mathematics: PR: MAP 2302 and MAC 3105, or C.I. Advanced topics in applied mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAP 5117 COS-MATH 3(3,0) Mathematical Modeling: PR: STA 4321, MAP 4303, graduate standing or senior standing, or C.I. Introduction to modeling in industrial and scientific applications, techniques for studying statistical and deterministic models. Even Fall.

MAP 5426 COS-MATH 3(3,0) Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5435 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, 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. Graduate students will present their research in the business common program. Occasional.

MAR 3023 BA-MAR 3(3,0) Customer Service: PR: Completion of course in Business common program. Students will work with local companies. Fall, Spring.

MAR 3023H BA-MAR 3(3,0) Honors Customer Service: PR: Completion of course in the Business common program. Students will work with local companies. Fall, Spring.

MAR 3203 BA-MAR 3(3,0) Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a "C" (2.0) or better. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers’ needs. Fall, Spring.

MAR 3203H BA-MAR 3(3,0) Honors Supply Chain and Operations Management: PR: Completion of each course in the Business common program prerequisites with a "C" (2.0) or better, and consent of the Honors College. Study of the planning and management of all activities involved in processes, assets, and flows of materials and information to meet customers’ needs. Fall, Spring.

MAR 3223 BA-MAR 3(3,0) Integrated Marketing Communication: PR: Marketing Minor and MAR 3023 with a grade of "C" (2.0) or better. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Professional Selling: PR: Admission to the Marketing major, or other business major and meet all GPA requirements for admission to the Marketing major. The communication processes that form the basis of professional selling to business and to individuals. Focus is on applied exercises and role-play situations. Fall, Spring.

MAR 3391H BA-MAR 3(3,0) Honors Professional Selling: PR: MAR 3023 with a grade of "C" (2.0) or better, and consent of Honors. The communication processes that form the basis of professional selling to business and to individuals. Focus is on applied exercises and role-play situations. Occasional.

MAR 3403 BA-MAR 3(3,0) Sales Force Management: PR: Admission to the Integrated Business major or Marketing minor, and MAR 3203 with a grade of "C" (2.0) or better. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3407 BA-MAR 3(3,0) Contemporary Selling: PR: Admission to the Integrated Business major or Marketing minor, and MAR 3203 with a grade of "C" (2.0) or better. Study of the professional selling process. Focus is primarily on Business-to-Business customers. Fall, Spring.

MAR 3503 BA-MAR 3(3,0) Consumer Behavior: PR: Admission to the Marketing major. Individuals, groups, or organizations and the processes utilized to select, secure, use, and dispose of products, services, or experiences to satisfy consumer needs and wants. Fall, Spring.

MAR 3611 BA-MAR 3(3,0) Marketing Analytics and Research Methods: PR: Marketing Minor and MAR 3023 with a grade of "C" (2.0) or better. Study of the analytical tools and research methods used by marketers to make more effective decisions. Fall, Spring.

MAR 3613 BA-MAR 3(3,0) Marketing Research: PR: MAR 3615 with a grade of "C" (2.0) or better. The acquisition of information using various marketing research methods, as well as the application of results to marketing decision making. Fall, Spring.

MAR 3615 BA-MAR 3(3,0) Marketing Analysis: PR: Admission to the Marketing major. Study of analytic methods, tools, processes, and technologies that enable marketers to evaluate the success of marketing activities and initiatives. Fall, Spring.

MAR 3641 BA-MAR 3(3,0) Marketing Intelligence: PR: Marketing Minor and MAR 3023 with a grade of "C" (2.0) or better. Contemporary sources and applications of information concerning external forces impacting marketing decision making. Occasional.

MAR 3721 BA-MAR 3(3,0) Digital Media Marketing: PR: Admission to the marketing major. The application of contemporary digital media technologies to marketing decision making. Fall, Spring.

MAR 3765 BA-MAR 3(3,0) Entrepreneurial Marketing: PR: Marketing minor or admission to the Entrepreneurship track or the Entrepreneurship minor for business majors or non-business majors, and MAR 3023 with a grade of "C" (2.0) or better. Exploration of how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.

MAR 4156 BA-MAR 3(3,0) International Marketing: PR: Marketing Minor and MAR 3023 with a grade of "C" (2.0) or better. Investigates strategy, policy and the variables relevant to international marketing decisions. Occasional.

MAR 4231 BA-MAR 3(3,0) Retailing Management: PR: Marketing Minor and MAR 3023 with a grade of "C" (2.0) or better. The field of retailing. Emphasis on planning for profitability through demand forecasting, inventory control, customer relationship management and brand leadership. Occasional.

MAR 4413C BA-MAR 3(2,3) Strategic Issues in Selling and Sales: PR: MAR 4415C with a grade of "C" (2.0) or better. Advanced study of selected contemporary strategic issues in selling and sales management. Occasional.

MAR 4415C BA-MAR 3(2,3) Advanced Professional Selling: PR: Admission to an professional selling program. Advanced study of the professional selling process, including team selling, negotiating, customer conflict management, and CRM systems. Occasional.

MAR 4418 BA-MAR 3(3,0) Strategic Sales Force Management: PR: Admission to the Marketing major and the Professional Selling Track, and MAR 3391 with a grade of "C" (2.0) or better. Study of the effective strategic management of contemporary sales forces. Emphasis on sales program formulation, implementation, and control, with a focus on strategy. Fall, Spring.

MAR 4711 BA-MAR 3(3,0) Sport Marketing: PR: Marketing Minor and MAR 3023 with a grade of "C" (2.0) or better. Marketing as it applies to the sport and leisure industry. Occasional.

MAR 4712 BA-MAR 3(3,0) Healthcare Marketing: PR: Marketing Minor and MAR 3023 with a grade of "C" (2.0) or better. Marketing as it applies to healthcare marketers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3,0) Entertainment Marketing: PR: Marketing Minor and MAR 3023 with a grade of "C" (2.0) or better. Planning, organizing, implementing and controlling marketing programs to effectively compete in dynamic and diverse business environments. Fall, Spring.

MAR 4803 BA-MAR 3(3,0) Marketing Management: PR: Marketing Minor and MAR 3611 with a grade of "C" (2.0) or better. Study of the theory and practice of managing innovation and product design, testing, branding, and introduction of new products. Fall, Spring.

MAR 4832 BA-MAR 3(3,0) Product Management: PR: MAR 3613 with a grade of "C" (2.0) or better. Study of the market strategy and planning process used by management of marketing strategy and to the marketing of products and services in the entertainment industry. Occasional.

MAR 4840 BA-MAR 3(3,0) Fundamentals of Services Marketing: PR: Admission to the Integrated Business major. Study of marketing decision making in service sectors. Primary focus is on the unique aspects of services that impact marketing decision making in small and medium-size enterprises. Occasional.

MAR 4841 BA-MAR 3(3,0) Services Marketing: PR: Admission to the marketing major. 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.

MAR 4934 BA-MAR 3(3,0) Contemporary Marketing Topics in Florida: PR: Admission to the Marketing major or minor, and application to and approval by the Department of Marketing. Provides student with supervised, market-related work experience in a sponsoring organization. Application and approval 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 R^n, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Canonical Form, matrix functions, quadratic forms. Fall, Spring.
MAS 3105H COS-MATH 3(3,0)
Honors Linear and Abstract Algebra: PR: MAC 2312 and permission of Honors or C.I. Matrices, determinants, vector spaces in R^n, linear independence and dependence, solutions of systems, range of linear transformations, eigenvalues, and Jordan Canonical Form, matrix functions, quadratic forms; with Honors content. Fall.

MAS 3106 COS-MATH 3(3,0)
Linear Algebra: PR: MHF 3302 and MAC 2312, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, inner products, the spectral theorem, Jordan Canonical Form. Fall, Spring.

MAS 3203 COS-MATH 3(3,0)
Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: inductive reasoning, factorization, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH 3(3,0)
Abstract Algebra I: PR: MHF 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4302 COS-MATH 3(3,0)
Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory, introduction to algebraic geometry. Spring.

MAS 4934 COS-MATH 3(3,0)
Topics in Algebra: PR: MAS 3106 and MAS 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH 3(3,0)
Advanced Linear Algebra and Matrix Theory: PR: MAS 3106 or C.I. Linear spaces, subspaces, linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH 3(3,0)
Algebra I: PR: MAS 4301 or graduate standing or C.I. Sets and categories, groups and groupoids, group actions, the class equation, Sylow theorems, Jordan-Hölder Theorem, Rings, Modules, Complexes, Factorization, and Irreducibility. Occasional.

MAT 1033C COS-MATH 3(1,3)
Intermediate Algebra: PR: MAC 1011C and CR: MAC 1012 or C.I. Methods for solving problems in a wide variety of mathematical fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.

MAT 1034 COS-MATH 3(3,0)
Scientific Computing: PR: MAC 2311 or MAP 2302, or either MAS 3105 or MAS 3106, or C.I. Matlab fundamentals, computer arithmetic, nonlinear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and integration. Even Fall.

MBC 1000 COS-BBSS 3(3,0)
The Invisible World: Introduction to microbes, their beneficial and detrimental activities, and their importance to our everyday lives. Fall.

MBC 1310 COS-BBSS 3(3,0)

MBC 2004C COM-BBSS 4(3.2)
Microbiology for Health Professionals: PR: BSC 2010C, CHM 1032 or CHM 2045C. A survey of microbiology for the health professional. Spring. M&S fee $53.00.

MBC 3020C COM-BBSS 5(3,4)

MBC 3020C COM-BBSS 5(3,5)
Honors General Microbiology: PR: BSC 2010C, C.I. Concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MBC 4414 COM-BBSS 3(3,0)
Microbial Metabolism: PR: BSC 3403. Interrelationship between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.

MBC 4503C COM-BBSS 3(3,0)
Pathogenic Bacterial Genetics and Physiology: PR: PCB 3522. Basic concepts of genetic mechanisms as they relate to bacterial genetics and physiology. Fall, Spring.

MBC 4603 COM-BBSS 3(3,0)
Environmental Microbiology: PR: BSC 3403C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MBC 4720 COM-BBSS 3(3,0)
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.

MBC 4721C COM-BBSS 4(2.4)
Techniques in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00.

MBC 4920C COM-BBSS 3(1,4)
Group-Effect Applied Research: PR: MCB 3020C and BSC 3403C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MBC 4920H COM-BBSS 3(1,4)
Honors Group Effort Applied Research (GEAR): PR: BSC 3403C and Consent from Honors. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

MBC 4940 COM-BBSS 0-3(0,3-4)
Methodology in Biomedical Sciences Instruction: PR: MCB 3203L or PCB 3233L or PCB 3703C or ZOO 3733C or MCB 3020C, or C.I. Reinforces lab techniques; students will also gain experience in teaching by assisting instructors of different biomedical science labs. Fall, Spring.

MBC 5205 COM-BBSS 3(3,0)
Infectious Processes: PR: MCB 3020C of C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MBC 5208 COM-BBSS 3(3,0)
Cellular Microbiology: Host-Pathogen Interactions: PR: Graduate standing, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.
MCB 5209 COM-BSBS 3(3,0)
Microbial Stress Response: PR: Graduate standing or C.I. Examination of the molecular genetic mechanisms, bacterial and fungal pathogens used to adapt to changes in their environment. Fall.

MCB 5225 COM-BSBS 3(3,0)

MCB 5314 COM-BSBS 1(1,0)
Industrial Perspectives Seminar: PR: Biotechnology MS students. Learning concepts of basic research and drug development in the pharmaceutical industry and technical presentation. May be used in the degree program a maximum of 2 times. Fall.

MCB 5415 COM-BSBS 3(3,0)
Cellular Metabolism: PR: Graduate standing or C.I. Basic concepts of the mechanisms that define the functioning and regulation of prokaryotic and eukaryotic cell metabolism. Fall.

MCB 5505 COM-BSBS 3(3,0)
Molecular Virology: PR: Graduate standing or C.I. An in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, viral nucleic acid transcription, genome replication and pathogenesis. Occasional.

MCB 5654 COM-BSBS 3(3,0)
Applied Microbiology: PR: MCB 3020C or C.I. Microbial biochemistry of industrial processes including; economics, screening, scale up, quality control and applied genetics. Occasional.

MCB 5722C COM-BSBS 4(2,4)
Methods in Biotechnology: PR: Admission to the MCB. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional. M&S fee $70.00

MCB 5932 COM-BSBS VAR(VAR,VAR)
Current Topics in Molecular Biology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0)
The Earth’s Climate: History, physics and dynamics of the earth’s climate. Odd Fall. Spring.

MGF 1106 COS-MATH 3(3,0)
Finite Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a “C” (2.0) or better, or C.I. Introduction to systematic counting, probability, geometry, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. Fall.

MGF 1107 COS-MATH 3(3,0)
Explorations in Mathematics: The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. This course is intended for students not planning to take upper level mathematics. Fall, Spring.

MGF 3302 COS-MATH 3(3,0)

MHF 4404 COS-MATH 3(3,0)

MHF 4934 COS-MATH 3(3,0)
Topics in Foundations and History of Mathematics: PR: MHC 3032 and MAS 3105, or C.I. Advanced, specialized topics in the foundations and history of mathematics, ranging from set theory and mathematical logic to the history and development of mathematical theories. May be used in the degree program a maximum of 3 times. Occasional.

MHS 2090 ED-CFCFS 3(3,0)
Introduction to Human Services: An overview of the field of human services including roles, boundaries and ethical issues. The course orientates students to the operation of human service agencies. Fall, Spring.

MHS 2330 ED-CFCFS 3(3,0)
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.

MHS 2441 ED-CFCFS 3(3,0)
Couples, Families and Intimate Relationships: An in-depth look at intimate relationships, dating, courtship and challenges of establishing stable and satisfying couples and families, impact of divorce, parental and couples education. Fall, Spring.

MHS 3052 ED-CFCFS 3(3,0)
Helping Skills for Human Service Providers: PR: MHS 2330. Focuses on the interpersonal skills necessary to the practice of the human service industry. Emphasis on motivating and supporting clients who are experiencing challenging situations. Spring.

MHS 3426 ED-CFCFS 3(3,0)

MHS 5005 ED-CFCFS 3(3,0)
Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MHS 3200C COM-BSBS 3(3,3)
Techniques in Clinical Microscopy: PR: CHM 2210, PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee $70.00

MHS 3305 COM-BSBS 3(3,0)
Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow Spring.

MHS 3305L COM-BSBS 1(0,6)
Hematology Lab: PR: MHS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MHS 3705 COM-BSBS 3(3,0)
Concepts in Education/Management: PR: Admission to professional phase of the MLS Program or C.I. Introduction to laboratory management, health delivery systems, and educational practices in clinical settings. Spring.

MHS 4334 COM-BSBS 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MHS 4430C COM-BSBS 3(2,3)
Clinical Parasitology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical materials for the detection and identification of human parasites. Fall. M&S fee $46.00

MHS 4460L COM-BSBS 1(0,6)
Clinical Pathogenic Microbiology Lab: PR: Admission to the professional phase of the MLS program. CR: MCB 3203. Laboratory analysis of human pathogens from clinical samples to include bacteria and fungi. Spring. M&S fee $53.00
MUE 4337 CAH-MUSIC 3(3,0)
Secondary Instrumental Methods II: PR: MUE 4332 or C.I. Grade of "C" (2.0) or better. Wind and percussion teaching methods for high school students in a large classroom setting. Odd Fall.

MUE 4354 CAH-MUSIC 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 4441 CAH-MUSIC 3(3,0)

MUE 4791 CAH-MUSIC 0(0,0)
BME ePortfolio: PR: MUE 3142 Music Internship I; CR: MUE 4943 Music Internship II. Required electronic portfolio for all Bachelor of Music Education majors to be taken in conjunction with MUE 4943 Music Internship II. Fall, Spring.

MUE 4943 CAH-MUSIC 12(12,0)
Music Internship: PR: MUE 3944. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded SU/F. Fall, Spring.

MUE 5348C CAH-MUSIC 4(4,0)

MUE 5921 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: PR: MUT 1122 or C.I. Fundamental techniques and practice in conducting. Fall.

MUG 3202 CAH-MUSIC VAR(VAR,VAR)
Choral Conducting and Materials: PR: MUG 3104. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. Spring.

MUG 3302 CAH-MUSIC VAR(VAR,VAR)
Instrumental Conducting and Materials: PR: MUG 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. Spring.

MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR: MUT 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.

MUH 3211 CAH-MUSIC 3(3,0)
Music History and Literature I: PR: MUL 2014 and MUT 1122 with grade of "C" (2.0) or better. History of Western European art music from Antiquity to 1750. Fall, Spring.

MUH 3212 CAH-MUSIC 3(3,0)
Music History and Literature II: PR: MUH 3211 with grade of "C" (2.0) or better. History of Western European and American art music from 1750 to present day. Fall, Spring.

MUH 4218 CAH-MUSIC 1(1,0)

MUH 4322 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 450-1600. Even Fall.

MUH 4341 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture during the Baroque period, 1600-1750. Occasional.

MUH 4351 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Music and culture of Western Europe in the era c. 1700-1730. Even Fall.

MUH 4361 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Examination of Western European and American art music from the nineteenth century. Odd Fall.

MUH 4371 CAH-MUSIC 3(3,0)
Music Since 1900: PR: MUH 3211 and MUH 3212 with grade of "C" (2.0) or better. Western art music since 1900. Odd Spring.

MUH 4814 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: MUT 3171 and MUL 2016 with grade of "C" (2.0) or better. Historical style periods and master artists in jazz music. Spring.

MUH 5326 CAH-MUSIC 3(3,0)
Medieval and Renaissance Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 450-1600. Occasional.

MUH 5345 CAH-MUSIC 3(3,0)
Music of the Baroque: PR: Graduate standing in music or music education or C.I. Baroque music, 1600-1750. Investigates Baroque musical styles and composers within their diverse historical, musical, and cultural contexts. Even Spring.

MUH 5356 CAH-MUSIC 3(3,0)
Eighteenth-Century Music: PR: Graduate standing in music education or C.I. Music and culture of Western Europe in the era c. 1700-1800. Occasional.

MUH 5356 CAH-MUSIC 3(3,0)
Music of the 19th Century: PR: Graduate standing in music or C.I. Western Art Music of the 19th Century. Odd Fall.

MUH 5375 CAH-MUSIC 3(3,0)
Music Since 1900: PR: Graduate standing in Music Education or C.I. Music and culture of Western and American Art Music from c. 1900 to the present. Occasional.

MUH 5665 CAH-MUSIC 3(3,0)
Development of Opera: PR: Graduate standing in Music or C.I. An in-depth examination of Western European opera, from its origins around 1600 until the present day. Even Spring.

MUH 5816 CAH-MUSIC 3(3,0)
Jazz Styles and Analysis: PR: Graduate standing or C.I. An in-depth study of historical style periods and master artists in jazz music. Odd Fall.

MUL 2010 CAH-MUSIC 3(2,1)
Enjoyment of Music: PR: Non-music majors only. Designed to develop an understanding of musical principles and techniques for listening to music. Fall, Spring.

MUL 2014 CAH-MUSIC 3(3,0)
Introduction to Music History and Literature: PR: Music major or C.I. Musical repertories and cultures from the Western art music tradition, American jazz, and non-western music. Odd Spring.

MUL 2016 CAH-MUSIC 3(3,0)
Evolution of Jazz: Survey of jazz literature and performance. Fall, Spring.

MUL 2720 CAH-MUSIC 3(3,0)

MUL 2721 CAH-MUSIC 3(3,0)
Survey of Latin American Music: Survey of Latin-American and Caribbean music, including musical traditions as well as historical and cultural connections. Occasional.

MUL 3381 CAH-MUSIC 3(3,0)
Contemporary Popular Music: PR: MUL 2010 or MUT 1122 or C.I. History and analysis of selected genres in recent popular music. Music reading not required. Spring.

MUL 3400 CAH-MUSIC 2(1,1)
Piano Literature I: PR: Major in Music or C.I. Survey of standard keyboard literature from the 16th century to the present, with emphasis on technical, formal and performance problems. Odd Fall.

MUL 3401 CAH-MUSIC 2(1,1)

MUL 3463 CAH-MUSIC 2(2,0)

MUL 3602 CAH-MUSIC 3(3,0)
Song Literature: PR: MUL 2014 or C.I. Classical song repertoire in English and common foreign languages, and proven methods of effective song study. Odd Fall.

MUL 4437 CAH-MUSIC 3(3,0)

MUL 4438 CAH-MUSIC 3(3,0)
Guitar Literature and Pedagogy: PR: MUS 2426 or C.I. Overview of classical guitar literature, history, and pedagogy from the Renaissance to the present. Odd Fall.

MUL 4443 CAH-MUSIC 3(3,0)

MUL 4444 CAH-MUSIC 3(3,0)

MUL 4552 CAH-MUSIC 3(3,0)
Band Literature: PR: MUT 1122 and MUL 2014, or C.I. Survey of materials for use in the public school band classroom, including beginning band methods, technique books, and musical selections appropriate for concert performance. Fall.

MUL 4643 CAH-MUSIC 3(3,0)
Choral Literature: PR: "C" (2.0) or better in MUH 3211 and MUH 3212, or C.I. Choral music from its beginnings to the present with consideration of historical perspective, genres, styles, and performance practice, major composers, and representative works. Fall.
UCF Courses and Descriptions
MUL 5436
CAH-MUSIC
3(3,0)
Guitar Literature and Pedagogy: PR: Graduate
standing in Music or C.I. Survey of significant repertoire and
pedagogy for classical guitar. Odd Spring.
MUL 5439
CAH-MUSIC
3(3,0)
String Literature and Pedagogy: PR: Graduate
standing in Music or C.I. Study of string literature from the
Baroque period to the 20th century, along with prominent
pedagogical principles. Odd Fall.

MUN 3323
CAH-MUSIC
1(0,3)
Women’s Chorus: PR: Audition and C.I. Study and
performance of music for women’s voices. Open to all
students. May be repeated for credit. Fall,Spring. M&S
fee $20.00
MUN 3343L
CAH-MUSIC
1(0,3)
Chamber Singers: PR: C.I. A chamber choir of
advanced singers. Open to all students by audition.
Additional rehearsals and commitments required. May be
repeated for credit. Fall,Spring. M&S fee $20.00

MUN 4476
CAH-MUSIC
1(0,2)
Early Music Ensemble: PR: C.I. Study and
performance of pre-classical music. May be repeated for
credit. Fall,Spring. M&S fee $5.00
MUN 5125
CAH-MUSIC
1(0,3)
Concert Band: PR: Open to all graduate students
by audition. Study and performance of music for large
ensembles. May be used in the degree program a maximum
of 4 times. Odd Fall. M&S fee $20.00

MUN 3423
CAH-MUSIC
1(0,2)
Woodwind Ensemble: PR: C.I. Open to all students.
Study and performance of music for small ensembles. May
be repeated for credit. Fall,Spring. M&S fee $20.00

MUN 5145
CAH-MUSIC
1(0,4)
Wind Ensemble: PR: Open to all graduate students
by audition. Study and performance of music for wind
ensemble and band. May be used in the degree program a
maximum of 4 times. Odd Fall. M&S fee $20.00

MUL 5448
CAH-MUSIC
3(3,0)
Brass Literature and Pedagogy: PR: Graduate
standing in Music or C.I. Significant brass repertoire, study
materials and a review of teaching techniques for artistic
brass performance. Even Fall.

MUN 3426
CAH-MUSIC
1(1,0)
Saxophone Ensemble: PR: Students must pass an
audition in front of the instructor. An in-depth study and
performance of music written for an ensemble comprised
of all saxophones. May be used in the degree program a
maximum of 8 times. Fall,Spring. M&S fee $20.00

MUN 5215
CAH-MUSIC
1(0,5)
Symphony Orchestra: PR: Open to all graduate
students by audition. Rehearsal and performance of works
from the symphonic repertoire. May be used in the degree
program a maximum of 4 times. Odd Fall. M&S fee
$20.00

MUL 5555
CAH-MUSIC
3(3,0)
Band Literature: PR: Graduate standing or C.I. Survey
of materials for use in the public school band classroom,
including beginning band methods, technique books, and
musical selections appropriate for concert performance.
Occasional.

MUN 3427
CAH-MUSIC
1(1,0)
Flute Ensemble: PR: Student must pass an audition
in front of the instructor. Study and performance of music
written for an ensemble comprised of all flutes. May be used
in the degree program a maximum of 8 times. Fall,Spring.
M&S fee $20.00

MUN 5325
CAH-MUSIC
1(0,3)
Women’s Chorus: PR: Open to all graduate students
by audition. Study and performance of choral music for
women’s voices. May be used in the degree program a
maximum of 4 times. Odd Fall. M&S fee $20.00

MUL 5645
CAH-MUSIC
3(3,0)
Choral Literature: PR: Graduate standing or C.I.
Survey of choral music from its beginnings to the present
with consideration of historical perspective; genres,
styles and performance practice; major composers and
representative works. Occasional.

MUN 3431L
CAH-MUSIC
1(0,2)
Brass Quintet: PR: Audition and Consent of Instructor.
Rehearsal and performance of music for brass quintet.
May be used in the degree program a maximum of 4 times
only when course content is different. Fall,Spring. M&S
fee $20.00

MUM 5806
CAH-MUSIC
3(3,0)
Performing Arts Management: PR: Graduate
standing or senior standing or C.I. Structure of nonprofit
performing arts organization (PAOs), examining the
fundamental elements of administration, audience
development, marketing, and fund-raising. Spring.

MUN 3433
CAH-MUSIC
1(0,2)
Brass Ensemble: PR: C.I. Open to all students. Study
and performance of music for small ensembles. May be
repeated for credit. Fall,Spring. M&S fee $20.00

MUL 5447
CAH-MUSIC
3(3,0)
Woodwind Literature and Pedagogy: PR:
Graduate standing in Music or C.I. Major works written
for woodwind instruments, as well as the study of the
basic concepts and techniques fundamental to teaching
woodwind instruments. Odd Spring.

MUN 2442
CAH-MUSIC
1(1,0)
Percussion/Mallet Ensemble: PR: C.I. Preparation
and performance of music for percussion with mallets. May
be repeated for credit. Fall. M&S fee $30.00
MUN 3113
CAH-MUSIC
2(0,8)
Marching Band: PR: Admission by audition.
Preparation for appearance at football games and special
occasions. May be repeated for credit. Fall. M&S fee
$37.00
MUN 3123L
CAH-MUSIC
1(0,3)
Concert Band: PR: C.I. No audition required and open
to all majors. Study and performance of music for large
ensembles. May be repeated for credit. Fall,Spring. M&S
fee $20.00
MUN 3133
CAH-MUSIC
1(0,4)
Symphonic Band: PR: Open to all students by
audition. Auditioned performance ensemble that presents
multiple concerts each semester and performs a variety of
musical literature for winds and percussion. Fall,Spring.
M&S fee $20.00
MUN 3143
CAH-MUSIC
1(0,4)
Wind Ensemble: PR: Open to all students by audition.
Study and performance of music for wind ensemble and
band. May be repeated for credit. Fall,Spring. M&S
fee $20.00
MUN 3283
CAH-MUSIC
1(0,5)
Symphony Orchestra: PR: Audition. Open to all
students by audition. Rehearsal and performance of works
from the symphonic repertoire. May be repeated for credit.
Fall,Spring. M&S fee $20.00
MUN 3313
CAH-MUSIC
1(3,0)
University Chorus: PR: C.I. Open to all students by
audition. Study and performance of large ensemble music.
Possible tours. May be repeated for credit. Fall,Spring.
M&S fee $20.00

MUN 3437
CAH-MUSIC
1(1,0)
Trumpet Ensemble: PR: C.I. Rehearsal and
performance of music for trumpet ensembles. May be
repeated for credit. Occasional. M&S fee $20.00
MUN 3443
CAH-MUSIC
1(0,2)
Percussion Ensemble: PR: C.I. Open to all students.
Study and performance of music for small ensembles. May
be repeated for credit. Fall,Spring. M&S fee $35.00
MUN 3444
CAH-MUSIC
1(1,0)
Mallet Ensemble: PR: C.I. Preparation and
performance of music for mallet ensemble. May be repeated
for credit. Fall,Odd Spring. M&S fee $35.00
MUN 3453
CAH-MUSIC
1(0,3)
Piano Ensemble: PR: Open to Music Majors or C.I.
Study and performance of music for small ensembles. May
be repeated for credit. Fall,Spring. M&S fee $20.00
MUN 3483
CAH-MUSIC
1(0,2)
String Ensemble: PR: C.I. Open to all students. Study
and performance of music for small ensembles. May be
repeated for credit. Fall,Spring. M&S fee $20.00
MUN 3487
CAH-MUSIC
1(0,2)
Guitar Ensemble: PR: Audition or C.I. Study and
performance of music for multiple guitars. May be used in
the degree program a maximum of 8 times. Odd Spring.
M&S fee $20.00

MUN 5368L
CAH-MUSIC
1(0,3)
Graduate Madrigal Singers: PR: Graduate standing
in Music Education and C.I. Study of varied literature for
small vocal ensembles. May be used in the degree program
a maximum of 5 times. Occasional. M&S fee $20.00
MUN 5385L
CAH-MUSIC
1(0,3)
Graduate University Chorus: PR: Graduate
standing in Music Education and C.I. Study and performance
of large ensemble music. May be used in the degree
program a maximum of 5 times. Occasional. M&S fee
$20.00
MUN 5445
CAH-MUSIC
1(0,2)
Percussion Ensemble: PR: Open to all graduate
students by audition. Study and performance of music for
small percussion ensembles. May be used in the degree
program a maximum of 4 times. Odd Fall. M&S fee
$35.00
MUN 5465L
CAH-MUSIC
1(0,2)
Graduate Chamber Music: PR: Graduate standing
in Music Education and C.I. The study and performance
of vocal and/or instrumental chamber ensemble literature.
Flexible instrumentation to meet student needs. May be
used in the degree program a maximum of 5 times.
Occasional. M&S fee $20.00
MUN 5478L
CAH-MUSIC
1(0,3)
Early Music Ensemble: PR: Graduate standing
in Music Education and C.I. Graduate ensemble
experience with instruments and repertoire of the Medieval,
Renaissance, and Baroque periods. May be used in the
degree program a maximum of 5 times. Occasional.
M&S fee $5.00
MUN 5715L
CAH-MUSIC
1(0,4)
Jazz Ensemble: PR: Audition, graduate or senior
standing, and C.I. Study and performance of jazz big band
music. May be used in the degree program a maximum of
4 times only when course content is different. Fall,Spring.
M&S fee $20.00

MUN 3713
CAH-MUSIC
1(0,4)
Jazz Ensemble: PR: C.I. Open to all students by
audition. Study and performance of music for small
ensembles. May be repeated for credit. Fall,Spring.
M&S fee $20.00

MUN 5716L
CAH-MUSIC
1(0,2)
Jazz Chamber Group: PR: Audition, graduate
standing or senior standing, and C.I. Study and performance
of jazz small group music. May be used in the degree
program a maximum of 4 times. Fall,Spring. M&S fee
$20.00

MUN 3714
CAH-MUSIC
1(0,2)
Jazz Combo: PR: Junior standing and C.I. Rehearsal
and performance of music for small jazz combo,
emphasizing improvisation. May be repeated for credit.
Fall,Spring. M&S fee $20.00

MUO 2501C
CAH-MUSIC
2(1,1)
Opera Skills: PR: Open to all students by audition.
Integration of singing, acting, and movement in opera;
explores basic stage movement, character preparation, and
performance of opera arias. Fall.

MUN 3813
CAH-MUSIC
1(1,1)
Steel Drum Ensemble: PR: C.I. Rehearsal and
performance of music arranged for steel drum band. May be
repeated for credit. Fall,Spring. M&S fee $20.00

MUO 3503L
CAH-MUSIC
1(0,3)
Opera Workshop: PR: MUO 2501C, or C.I., and
audition. Study, preparation, and performance of opera
literature. May be used in the degree program a maximum
of 8 times. Occasional. M&S fee $70.00

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MUT 5936 CAH-MUSIC  3(3,0)
Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MVB 1211 CAH-MUSIC  1(0,1)

MVB 1212 CAH-MUSIC  1(0,1)

MVB 1213 CAH-MUSIC  1(0,1)

MVB 1214 CAH-MUSIC  1(0,1)

MVB 1215 CAH-MUSIC  1(0,1)
Secondary Tuba: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in tuba. Intended for non-music majors. May be repeated for credit. Fall, Spring.

MVB 1411 CAH-MUSIC  2(1,1)
Trumpet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1412 CAH-MUSIC  2(1,1)
French Horn I: PR: Major or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1413 CAH-MUSIC  2(1,1)
Trombone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1414 CAH-MUSIC  2(1,1)
Euphonium I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVB 1415 CAH-MUSIC  2(1,1)
Tuba I: PR: Major in music or consent of chair; audition. May be repeated for credit. Even Fall, Spring.

MVB 2421 CAH-MUSIC  2(1,1)
Trumpet II: PR: MVB 1411 and competence determined by faculty jury. Continuation of MVB 1411. May be repeated for credit. Fall, Spring.

MVB 2422 CAH-MUSIC  2(1,1)
French Horn II: PR: MVB 1412 and competence determined by faculty jury. Continuation of MVB 1412. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC  2(1,1)
Trombone II: PR: MVB 1413 and competence determined by faculty jury. Continuation of MVB 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC  2(1,1)
Euphonium II: PR: MVB 1414 and competence determined by faculty jury. Continuation of MVB 1414. May be repeated for credit. Fall, Spring.

MVB 2425 CAH-MUSIC  2(1,1)
Tuba II: PR: MVB 1415 and competence determined by faculty jury. Continuation of MVB 1415. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC  2(3-1,1)
Trumpet III: PR: MVB 2421. Continued study of performance skills of the trumpet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
UCF Courses and Descriptions

MVJ 3230. Scale Studies, arpeggios, chord voicings and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 3339. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2224. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1212. Scale Studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4243. Jazz Guitar IV: PR: MVJ 3233. Continuation of MVJ 3230. Scale studies, arpeggios, chord voicings, and other techniques included in advanced jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 1211. Scale Studies, arpeggios, chord voicings, and other techniques included in fundamentals of jazz guitar skills. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 2221. Piano I: PR: MVK 1112. Continuation of MVJ 2220. 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.

MVJ 4244. Jazz Bass IV: PR: MVJ 3234. Continuation of MVJ 3230. Progressive Jazz Bass skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 4349. Jazz Drum Set IV: PR: MVJ 3339. Continuation of MVJ 3330. Progressive Jazz Drum Set skills, including sound concept, technique, literature, style, history, and heritage. May be used in the degree program a maximum of 3 times. Odd Spring.

MVJ 5350. Jazz Piano V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz piano literature, styles, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5353. Jazz Guitar V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz guitar literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5354. Jazz Bass V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz bass literature, styles and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVJ 5359. Jazz Drum Set V: PR: Audition, graduate standing or senior standing, and C.I. Study of jazz drum set literature, style, and techniques. May be used in the degree program a maximum of 3 times only when course content is different. Fall, Spring.

MVK 1111. Class Piano I: Class instruction for beginning piano students. Not open to music majors whose major performing medium is piano. Fall, Spring.

MVK 1112. Class Piano II: PR: MKV 1111 with grade of "C" (2.0) or better or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.


MVK 1411. Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 2121. Piano III: PR: MVK 1112 and grade of "C" (2.0) or better or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2122. Piano IV: PR: MVK 2121 with grade of "C" (2.0) or better or C.I. Continuation of MVK 2141. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2241. Piano II: PR: MVK 1411 and competence determined by chairperson. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVK 3431. Piano III: PR: MVK 2421 and competence determined by faculty chair. Continual study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 4441. Piano IV: PR: MVK 3431 and competence determined by chairperson. Intensive advanced performance study of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 4442. Piano V: PR: MVK 4441 with grade of "C" (2.0) or better or C.I. Continuation of MVK 4441. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 1112. Class Piano II: PR: MVK 1111 with grade of "C" (2.0) or better or C.I. Continuation of MVK 1111. Music majors only; not open to music majors whose major performing medium is piano. Fall, Spring.


MVK 1411. Piano I: PR: Major in music or consent of chairperson; audition. May be repeated for credit. Fall, Spring.

MVK 2121. Piano III: PR: MVK 1112 and grade of "C" (2.0) or better or C.I. Continuation of MVK 2121. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2122. Piano IV: PR: MVK 2121 with grade of "C" (2.0) or better or C.I. Continuation of MVK 2141. Music majors only; not open to music majors whose major instrument is piano. Fall, Spring.

MVK 2241. Piano II: PR: MVK 1411 and competence determined by chairperson. Continuation of MVK 1411. May be repeated for credit. Fall, Spring.

MVK 3431. Piano III: PR: MVK 2421 and competence determined by faculty chair. Continual study of performance skills of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVK 4441. Piano IV: PR: MVK 3431 and competence determined by chairperson. Intensive advanced performance study of the piano, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.
UCF Courses and Descriptions

MVW 3431 CAH-MUSIC 2-3(1,1)
Voice III: PR: MVW 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 repeated in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC 4(1,1)
Voice IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4640 CAH-MUSIC 2(2,0)
Voice Pedagogy: CR: CI. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.

MVW 5451 CAH-MUSIC 2(1,0)
Voice V: PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 4 times. Fall, Spring.

MVW 5651 CAH-MUSIC 2(3,0)
Voice Pedagogy: PR: Graduate standing in Music or C.I. Vocal function, anatomy, and pedagogical methodology with application to the voice teacher and performer. Odd Spring.

MVW 1211 CAH-MUSIC 1(0,1)

MVW 1212 CAH-MUSIC 1(0,1)

MVW 1213 CAH-MUSIC 1(0,1)

MVW 1214 CAH-MUSIC 1(0,1)

MVW 1215 CAH-MUSIC 1(0,1)

MVW 1411 CAH-MUSIC 2(1,1)
Flute I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1412 CAH-MUSIC 2(1,1)
Oboe I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1413 CAH-MUSIC 2(1,1)
Clarinet I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1414 CAH-MUSIC 2(1,1)
Bassoon I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVW 1415 CAH-MUSIC 2(1,1)
Saxophone I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 2421 CAH-MUSIC 2(1,1)
Flute II: PR: MVW 1411 and competence determined by faculty jury. Continuation of MVW 1411. May be repeated for credit. Fall, Spring.

MVW 2422 CAH-MUSIC 2(1,1)
Oboe II: PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.

MVW 2423 CAH-MUSIC 2(1,1)
Clarinet II: PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC 2(1,1)
Bassoon II: PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring. M&S fee $20.00

MVW 2425 CAH-MUSIC 2(1,1)
Saxophone II: PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC 2-3(1,1)
Flute III: PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3432 CAH-MUSIC 2-3(1,1)
Oboe III: PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3433 CAH-MUSIC 2-3(1,1)
Clarinet III: PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3434 CAH-MUSIC 2-3(1,1)
Bassoon III: PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3435 CAH-MUSIC 2-3(1,1)
Saxophone III: PR: MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4441 CAH-MUSIC 4(1,1)
Flute IV: PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4442 CAH-MUSIC 4(1,1)
Oboe IV: PR: MVW 3432 and competence determined by faculty jury. Intensive advanced performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4443 CAH-MUSIC 4(1,1)
Clarinet IV: PR: MVW 3433 and competence determined by faculty jury. Intensive study of performance skills of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4444 CAH-MUSIC 4(1,1)
Bassoon IV: PR: MVW 3434 and competence determined by faculty jury. Advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 4445 CAH-MUSIC 4(1,1)
Saxophone IV: PR: MVW 3435 and competence determined by faculty jury. Advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 5451 CAH-MUSIC 2(1,0)
Flute V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1,0)
Oboe V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1,0)
Clarinet V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5454 CAH-MUSIC 2(1,0)
Bassoon V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5455 CAH-MUSIC 2(1,0)
Saxophone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

NGR 5003L CON-NURS 1(0,1)
Advanced Health Assessment and Diagnostic Reasoning (Lab): PR: or CR: NGR 5141; CR: NGR 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Application of the diagnostic reasoning process through differential diagnoses. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5003L CON-NURS 1(0,1)
Advanced Health Assessment and Diagnostic Reasoning: PR: or CR: NGR 5141; CR: NGR 5003L. Admission to the M.S. in Nursing or Doctor of Nursing Practice tracks or C.I. Application of concepts and skills for advanced health assessment and diagnostic reasoning over the lifespan. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5063 CON-NURS 3(3,0)
Health Promotion: PR: Admission to M. S. in Nursing or Doctor of Nursing Practice or C.I. Exploration and analysis of concepts, theories, research evidence, clinical assessment and interventions for health promotion and wellness. May be used in the degree program a maximum of 2 times. Fall, Spring.

NGR 5638 CON-NURS 3(3,0)
Health Disparities: Issues and Strategies: PR: Graduate standing. Explores disparities in access, utilization, services, outcomes, and status for different U.S. populations: data, research, programmatic issues, and strategies to close the gaps. May be used in the degree program a maximum of 2 times. Occasional.

NGR 5690 CON-NURS 3(3,0)
Interdisciplinary Care at End-of-Life: PR: Graduate status or C.I. Examination of interdisciplinary roles and strategies for enabling patients, families, and caregivers to approach end-of-life free from avoidable distress and suffering. May be used in the degree program a maximum of 2 times. Fall.

NGR 5720 CON-NURS 3(3,0)
Organizational Dynamics: PR: Baccalaureate degree in Nursing or C.I. Analysis of organizational theories related to health care organizations and the role of leadership, communication and power to influence health care delivery and policy. May be used in the degree program a maximum of 2 times. Fall.

NGR 5745 CON-NURS 1(1,0)
Professional Obligations and Activities: PR: NGR 5883 and NGR 5891. Student must be in last or second to last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.
UCF Courses and Descriptions

NUR 3816 CON-NURS 1(1,0)
Professional Nurse Seminar: PR: Permission to BSN program, CR: NUR 3225. The role and function of the professional nurse including professional standards, ethics, and legal and practice issues. Fall, Spring.

NUR 3825 CON-NURS 2(2,0)
The Role of the Professional Nurse: PR: Admission to 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)
Honors The Role of the Professional Nurse: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.

NUR 3826 CON-NURS 3(3,0)

NUR 3826H CON-NURS 3(3,0)

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 systems in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0)
Holistic Nursing: PR: Junior or senior undergraduate standing in nursing, or C.I. History, principles, techniques, outcomes, and research of complementary and alternative therapies (CAM). Concepts of wellness, healing and integrative practice from nursing and consumer perspectives. Occasional.

NUR 4197 CON-NURS 3(3,0)
Genetics and Genomics in Nursing Practice: PR: NUR 3120, NUR Licensor, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4,0)
Nursing Care of the Adult II: PR: Admission to the BSN program, CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L, NUR 4535L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.

NUR 4227L CON-NURS 3(0,3)

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 situations. Occasional.

NUR 4340 CON-NURS 3(3,0)
Obesity in Children and Adolescents: Nursing Management: PR: Junior or senior undergraduate standing in nursing, or C.I. Examines multiple factors that predispose children and adolescents to obesity; explores nursing management and public health and policy strategies for prevention and treatment. Occasional.

NUR 4765 CON-NURS 3(3,0)
Rehabilitation Nursing: PR: Permission to the Nursing Program, RN License, or C.I. Principles of pain and management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4828 CON-NURS 3(3,0)
Nursing Leadership, Management and Role Transition: PR: Admission to the BSN or the RN-BSN program, and concurrent enrollment in NUR 4945L, or NUR 4604L, or C.I. Professional development and role transition of baccalaureate graduates entering professional nursing practice focusing on leadership and management applied to health care settings. Fall, Spring.

NUR 4828H CON-NURS 3(3,0)
Honors Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4829 CON-NURS 3(3,0)
Accelerated Transitioning into Professional Practice as a Leader: PR: or C.R. NUR 4945L 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. Application of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community Fall, Spring.

NUR 4837H CON-NURS 3(3,0)
Honors Health Care Issues, Policy, and Economics: PR: Permission of Honors; Admission to BSN program; completed first & second semester BSN curriculum course work; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

NUR 4906 CON-NURS VAR(VAR,VAR)
Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0)
Honors Directed Reading/Research: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4942L CON-NURS 3(0,3)
Nursing Practicum for International Students: PR: C.I. In-depth study of clinical nursing practice for international students. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0,4)
Nursing Practicum: PR: Admission to the BSN program; STA 2014C or 2023; for Basic program successful completion of the first three semesters; for RN to BSN students, NUR 3065 and RN 4945L. Students will apply findings of community assessment completed in NUR 4537 Public Health Nursing. Students will apply findings of community assessment completed in NUR 4537 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4971H CON-NURS 1-3(1-3,0)
Honors Thesis or Project Works: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 CON-BIOL 3(3,0)
Geophysics: PR: CHM 2045C and CHM 2046, and "C" (2.0) or better in BSC 2010C. Biological, physical and chemical oceanography. Occasional.

OSE 3052 OPT-OPT 3(3,1)

OSE 3052L OPT-OPT 1(0,3)
OSE 3053 OPT-OPT  3(3,0) Electromagnetic Waves for Photonics: PR: OSE 3052 or OSE 4240. Electrodynamic theory of light, Fresnel reflection and refraction. Polarization and optical crystals, metallic and dielectric waveguides. Spring.

OSE 3490 OPT-OPT  3(3,0) Nanophotonics: PR: PHY 2049C or C.I. Optical photonic processes on nano scale and interactions with elements of physics & engineering. Occasional.

OSE 4240 OPT-OPT  3(3,0) Optics & Photonics Design: PR: OSE 3052. Analysis and design of optical and photonic systems, Assessment of image quality using optical design software. Simulation of integrated-optic systems using photonic design software. Spring.

OSE 4410 OPT-OPT  3(3,0) Electrooptics: PR: EEE 3307C, OSE 3052. Introduction to the principles and design of semiconductor optoelectronic devices including photodiodes, solar cells, light-emitting diodes, laser diodes, and CCDs. Applications include photovoltaics, displays, imaging. Spring.

OSE 4410L OPT-OPT  1(0.3) Electrooptics Laboratory: CR: OSE 4410. Experiments in the basics of semiconductor optoelectronic devices including photodiodes, light-emitting diodes, laser diodes, and related applications including solar cells, display, photodetection, and optical communications. Spring, M&S fee $18.00.

OSE 4470 OPT-OPT  3(3,0) Fiber-Optic Communications: PR: EEL 3123C and PR: OSE 3052. Introduction to the principles and design of fiber-optic communication systems including the integrated-optic and optoelectronic devices used in transmitters and receivers. Fall.

OSE 4470L OPT-OPT  1(0.3) Fiber-Optic Communications Laboratory: CR: OSE 4470. Laboratory experiments covering the optical fiber as a communication channel, couplers, transmitters, and receivers using optoelectronic devices, multiplexing, and overall systems performance. Fall, M&S fee $16.00.


OSE 4721 OPT-OPT  3(3,0) Biophotonics: PR: OSE 3052. This course is an introduction to photobiology (interaction of light with biological matter), tissue optics, light-induced cellular transmitters and receivers. Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 4930 OPT-OPT  2(2.0) Frontiers of Optics and Photonics: PR: OSE 3052 or PHY 4424 or EEL 4440. Senior Standing, Introduction to recent advances in optics & photonics, to ethical issues, and to effective communication appropriate to the field of optics & photonics. Fall.

OSE 4951 OPT-OPT  3(3.0) Senior Design I: PR: OSE 3053 and OSE 4520; CR: OSE 4410 and OSE 4470. Development of the technical, communication, and team skills for successful design of optical and photonic systems. Preparation of project proposals for Senior Design II. Fall.

OSE 5203 OPT-OPT  3(3.0) Senior Design II: PR: OSE 4951. Execution of project development from a well thought-out concept design in previous Fall. Review, prototyping, construction, testing, cost, functionality, demonstration, presentation, and reporting. Emphasis on team effort. Spring.

OSE 5520 OPT-OPT  3(3.0) Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OSE 5512 OPT-OPT  3(3.0) Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction of materials. Geometrical, Physical, and Quantum mechanical description of optical properties. Fall, Spring.

OSE 5513 OPT-OPT  3(3.0) Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OSE 5414 OPT-OPT  3(3.0) Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductors devices. Fall.

OSE 5630C OPT-OPT  3(2.1) Thin Film Optics: PR: PHY 4424 or EEL 4440 and OSE 5041 or OSE 5630C. Principles of thin film optics and its applications including optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-HPA  3(3.0) Public Administration in American Society: PR: C.I. (2.0) or better in POS 2041; and Public Administration minor or Leadership Studies minor or Performing Arts Administration minor or and Sophomore standing; or C.I. An examination of the basic environment, culture, and organization of public administration in the United States. Fall, Spring.

PAD 3040 HPA-HPA  3(3.0) Ethics and Values in Public Administration: PR: Junior standing; and Public Administration major or declared Leadership Studies Certificate or declared Leadership Studies minor; or C.I. Ethical dimensions of public administration, Developing the awareness, Skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-HPA  3(3.0) Urban and Regional Planning: PR: Junior standing; and Public Administration major, or Urban and Regional Planning minor, or Interdisciplinary Studies Environmental Studies Track major, or Environmental Studies minor; or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.

PAD 3733 HPA-HPA  3(3.0) Professional Administrative Writing in the Public Sector: PR: C.I. (2.0) or better in POS 2041; Sophomore standing, Public Administration major or Public Administration minor or C.I. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3930 HPA-HPA  1(1.0) Nonprofit Leadership Seminar: PR: Declared Nonprofit Management minor, or Junior standing and ENC 1102. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be used in the degree program a maximum of 3 times. Fall, Spring.

PAD 4034 HPA-HPA  3(3.0) The Administration of Public Policy: PR: Junior standing, and either a Public Administration major with a C.I. (2.0) or better in PAD 3003 and PAD 3733 or in all PAD common program prerequisites courses, or Public Administration minor with a C.I. (2.0) or better in PAD 3003 and PAD 3733, or C.I. Problems of values, interests, and their impact on the application of public programs, stressing the interface between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-HPA  3(3.0) Administrative Theory: PR: Junior standing, and either a Public Administration major with a C.I. (2.0) or better in PAD 3003 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a C.I. (2.0) or better in PAD 3003 and PAD 3733, or Leadership Studies minor or Certificate, or Applied Science major, or C.I. A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4131 HPA-HPA  3(3.0) Public Sector Project Management: PR: Junior Standing. Various approaches to managing projects, including scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-HPA  3(3.0) Nonprofit Organizations: PR: Junior standing and declared Nonprofit Minor or Performing Arts Administration Minor or C.I. The operations of nonprofit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-HPA  3(3.0) Human Development in the Nonprofit Sector: PR: Junior standing, and Public Administration major or Nonprofit Management minor or certificate, or Performing Arts Administration minor or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-HPA  3(3.0) Volunteer Management: PR: Junior standing, and Public Administration major or Nonprofit Management minor or certificate, or Performing Arts Administration minor, or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theories. Spring.

PAD 4153 HPA-HPA  3(3.0) Policy and Improvement for Public Organizations: PR: Junior standing and Public Administration major or Nonprofit Management minor or certificate, or C.I. Preparation for understanding policy paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-HPA  3(3.0) Fiscal Management: PR: Junior standing, and either a Public Administration major with a C.I. (2.0) or better in PAD 3003 and PAD 3733, or C.I. Preparation for understanding policy paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4223 HPA-HPA  3(3.0) Public Budgeting: Skills and Techniques: PR: Junior standing, and either a Public Administration major with a C.I. (2.0) or better in PAD 3003 and PAD 3733, or C.I. Preparation for understanding policy paradigms of the public sector by providing education in a variety of quality related areas. Occasional.
UCF Courses and Descriptions

PAD 4253  HPA-PUB  3(3,0)  Community & Economic Development: PR: Public Administration major or Non Profit minor or Urban Regional Planning minor and Junior standing, or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325  HPA-PUB  3(3,0)  Program Evaluation for Public and Nonprofit Organizations: PR: Junior standing and (declared nonprofit minor or declared Nonprofit certificate or Public Administration major) or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4331  HPA-PUB  3(3,0)  Land Use and Planning: PR: Junior standing and Public Administration major or Urban and Regional Planning minor; or C.I. The study of land use and planning to include zoning variances, non-conformities, development agreements, subdivision controls, redevelopment and sprawl. Fall.

PAD 4334  HPA-PUB  3(3,0)  Urban Design: PR: Junior standing and Public Administration major; or Urban and Regional Planning minor; or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.

PAD 4351  HPA-PUB  3(3,0)  Issues in Environmental Program Management: PR: Junior standing, and Public Administration major or Urban and Regional Planning minor, or Interdisciplinary Studies Environmental Studies Track major, or Environmental Studies minor, or Energy and Society minor. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4371  HPA-PUB  3(3,0)  Community Resiliency & Sustainability: PR: ENC 1102 & Sophomore Standing or C.I. Issues of community resiliency & sustainability specific to emergency & crisis management. Includes coverage of public policy & management, urban planning & development, and community sociology. Occasional.

PAD 4390  HPA-PUB  3(3,0)  Hazard Mitigation and Preparedness: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor; or C.I. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392  HPA-PUB  3(3,0)  Emergency Management and Homeland Security: PR: Junior standing and Public Administration major or Urban and Regional Planning minor; or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4822  HPA-PUB  3(3,0)  Intergovernmental Administration: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor; or C.I. Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

PAD 4941  HPA-PUB  3-12(0,3-12)  Public Administration Internship: PR: Junior Standing and permission by the internship coordinator in the Public Administration program. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Fall, Spring.

PAD 4948  HPA-PUB  3(0,0)  Nonprofit Management Internship: PR: Junior standing; and enrollment in nonprofit minor; and PR or OR: one credit hour of Internship. Internship for students in the Nonprofit Leadership Alliance program. Requires minimum of 300 hours placement in a nonprofit human services organization. May be used in the degree program a maximum of 2 times. Fall, Spring.

PAD 5041  HPA-PUB  3(3,0)  Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5145  HPA-PUB  3(3,0)  Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree. Nonprofit certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development and leadership, recruitment, training, retention and theories of motivation, leadership, ethical issues. Fall, Spring.


PAD 5336  HPA-PUB  3(3,0)  Introduction to Urban Planning: Issues of urban development, land use and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5346  HPA-PUB  3(3,0)  Multiculturalism in Public Administration: PR: COHPA major or, and Junior standing, or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 5412  HPA-PUB  3(3,0)  Information Systems for Public Managers and Planners: PR: Junior standing and Public Administration major or Emergency Management and Homeland Security minor or Urban and Regional Planning minor; or C.I. Knowledge and skills concerning information technology important for planners and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 5470  HPA-PUB  3(3,0)  Survey Research in Public Administration: PR: Either a Public Administration major with a "C" (2.0) or better in PAD 3003 and PAD 3733 and in all PAD common program prerequisites courses, or Public Administration minor with a "C" (2.0) or better in PAD 3003 and PAD 3733, or C.I. Introduction to the design, methodology, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 5483  HPA-PUB  3(3,0)  Issues in Urban Administration: PR: Junior standing and Public Administration major or Urban and Regional Planning minor, or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 5482  HPA-PUB  3(3,0)  Public Administration Internship: PR: Junior Standing and permission by the internship coordinator in the Public Administration program. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Fall, Spring.

PAD 5537  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 5538  HPA-PUB  3(3,0)  Land Use and Planning Law: Review of national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulations. Fall.

PAD 5556  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 examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5527  HPA-PUB  3(3,0)  Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5807  HPA-PUB  3(3,0)  Local Government Operations: Operational 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, or Master of Research Administration, Certificate in Nonprofit Management, Certificate in Emergency Management and Homeland Security, Certificate in Public Administration, or Certificate in Fundraising, or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAD 5855  HPA-PUB  3(3,0)  Introduction to Public Procurement: PR: Admission to Master of Public Administration, or Master of Nonprofit Management, or C. I. Acquisition of knowledge and skills relating to the public procurement process. Occasional.

PAP 2102  HPA-HPA  2(0,2)  Bachelor's Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.


PAF 4754  HPA-PUB  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 partnerships, and social change. Occasional.

PAZ 4234  COS-BIOL  3(3,0)  Zoo and Aquarium Management: PR: A "C" (2.0) or better in both PCB 3044 and PCB 3063, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PAZ 5235  COS-BIOL  3(3,0)  Zoo and Aquarium Biology Management: PR: Admission to the M.S. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.
PEM 2176C ED-E&HS 2(1,1)  

PEM 2179C ED-E&HS 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-E&HS 3(1,2)  
Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEM 2431 ED-E&HS 2(2,0)  
Beginning Judo: Study and application of basic skills, falling, throwing, ground techniques, basic self-defense, terminology, philosophy and fitness training involved in the Olympic sport of Judo. Fall, Spring.

PEM 2432 ED-E&HS 2(2,0)  
Intermediate Judo: PR: PEM 2431 or C.I. Study and application of intermediate skills, body and strength conditioning, appropriate protocols and terminology involved in Judo training. Fall, Spring.

PEM 5408C ED-CFCS 2(2,1)  
Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling and managing student behavior as well as how teachers can protect themselves. Occasional.

PEO 2011 ED-E&HS 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.

PEO 2031 ED-E&HS 3(2,1)  
Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring.

PEO 2623C ED-E&HS 2(1,1)  
Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional.

PEO 3041 ED-E&HS 3(3,0)  
Game Analysis: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Teaching methodology utilizing games for specific outcome behaviors in grades K-12. Fall, Spring.

PEO 3219 ED-E&HS 2(2,0)  
Coaching Baseball and Softball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theories and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Occasional.

PEO 3324 ED-E&HS 2(2,1)  
Coaching Volleyball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignments and strategies. Spring.

PEO 3514C ED-E&HS 3(2,1)  
Coaching Soccer: PR: Admission to the Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3624 ED-E&HS 3(3,0)  
Coaching Basketball: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall, Spring.

PEO 3644 ED-E&HS 3(2,1)  
Coaching Football: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. Theory and methods of coaching football, including the analysis of offensive and defensive techniques and strategies. Occasional.
Methods for Physical Activity for Children and Adolescents: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity in children and adolescents. Fall, Spring.

Coaching Methods and Principles: PR: Admission to Sport and Exercise Science program, Sport and Exercise Science Pending or Coaching Minor. Assist students in understanding and conceptually integrating teaching methods/coaching strategies with emphasis given to conditioning and leadership styles. Fall, Spring.

Capstone in Sport and Exercise Science: PR: Senior standing in Sport and Exercise Science program and minimum overall 2.5 GPA. Enhances students' oral and written presentation ability in issues and topics related to sport and exercise science. Fall, Spring.

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.

Sport and Exercise Science Practicum: PR: Senior standing in Sport and Exercise Science program and minimum overall 2.75 GPA. Field experience in a sport and exercise science organization, association, or business. Graded S/U. Fall, Spring.

Motivational Aspects of Coaching: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate mental and physical performance, emotion, social, motivation, effort, persistence, adherence and compliance, measurement and evaluation, and other related topics of interest. Occasional.

Exercise and Health: PR: Admission to master's program or certificate program. Will provide educators an in-depth understanding of energy pathways, and neuromuscular, cardiovascular, and respiratory systems during exercise. Emphasize on understanding principles of exercise adaptations and applying those principles to fitness/wellness settings. Occasional.

Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Specializes in coaching and sport leadership; self-evaluating, examining, and developing philosophy, values, and moral reasoning skills. Occasional.


Alternative Processes: PR: PGY 3472C or C.I. 19th century photographic processes with related contemporary non-traditional methods of image creation and presentation. Occasional. M&S fee $45.00

Photo Visualization: PR: PGY 2650, PGY 2215 or C.I. Analysis of visual problems with an emphasis on communicating and applying a theoretical language to photographic imagery. Occasional. M&S fee $88.00

Museum and Gallery Practices: PR: PGY 3002 Contemporary Photography. The museum and gallery environment focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

Photography I: PR: ART 2201C, ART 2203C. Digital photography majors only. Digital photographic and visual storytelling, with emphasis on camera basics, composition skills, digital photo-editing skills, and caption writing skills. See instructor for minimal camera requirements. Occasional.


Narrative Editorial Photography: PR: PGY 2650. Photography in narrative, documentary, and editorial form. Research, story, text, and visual style will be addressed. Fall. M&S fee $70.00

Advanced Digital Photography: PR: PGY 2401C or C.I. Current digital imaging software and its application to contemporary work. Occasional. M&S fee $45.00


Professional Photographic Workshop: PR: PGY 3255C. Creative, logical, and technical processes, as related to a variety of special lighting problems in the photographic studio and on location. Occasional. M&S fee $70.00

Advanced Photography: PR: ART 2201C, ART 2203C, ART 2302C, ART 2301C, ART 2307C, ART 3410C, and a satisfactory portfolio review or C.I. Advanced photography skills and portfolio development. Designed for art majors. May be repeated for credit. Fall, Spring. M&S fee $49.00


Photography Thesis: PR: PGY 3276. Senior thesis project culminating in a public exhibition or portfolio presentation. Occasional. M&S fee $88.00

Photography and Art: PR: PGY 3472C, or PGY 3002, or C.I. Creation of photographs related to the expression of personal, political, and critical issues and ideas found in historical and contemporary imagery. Occasional. M&S fee $68.00

Advanced Techniques and Concepts in Photography: PR: PGY 2401C, PGY 3002, and PGY 4420C, or admission into MFA graduate program. Advanced techniques and concepts in photography, introducing historic and contemporary photographic works. May be used in the degree program a maximum of 3 times. Occasional.

Russian Philosophy: PR: ENC 1102. A study of major themes and developments in Russian philosophy from the 18th century to the present, including critiques of culture, religion, society, and politics. Occasional.

Ancient Philosophy: PR: PHO 2010 or C.I. Foundations of Western philosophy in ancient Greek thinking about human beings and nature, including the pre-Socrates, Socrates, Plato, Aristotle. Occasional.

Modern Western Philosophy: PR: PHO 2010. Major western philosophers and philosophical movements from Descartes to Nietzsche. Even Fall.

Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporary relevance Occasional.
PHI 3701 CAH-PHIL 3(3,0)
Native American Philosophy: PR: PHI 2010 or C.I. Assumes underlying research of Cognitive Science, Fall, Odd Fall.

PHI 3451 CAH-PHIL 3(3,0)
Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.

PHI 3625 CAH-PHIL 3(3,0)
Virtual Ethics: PR: COP 3302C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

PHI 3626 CAH-PHIL 3(3,0)
Advanced Ethics in Science and Technology: PR: COP 3302C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3629 CAH-PHIL 3(3,0)

PHI 3638 CAH-PHIL 3(3,0)

PHI 3640 CAH-PHIL 3(3,0)
Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology Occasional.

PHI 3670 CAH-PHIL 3(3,0)
Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary topics in ethics, including value theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights and revenge; some examination of metaethical issues. Even Spring.

PHI 3672 CAH-PHIL 3(3,0)
Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3684 CAH-PHIL 3(3,0)
Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of "the good life." Even Spring.

PHI 3700 CAH-PHIL 3(3,0)
Philo of Religion: PR: REL 2300 or PHI 2010. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.

PHI 3720 CAH-PHIL 3(3,0)

PHI 3750 CAH-PHIL 3(3,0)

PHI 3790 CAH-PHIL 3(3,0)
African Philosophy: PR: Junior standing or C.I. Traditional and contemporary African philosophical thought with primary emphasis on post-colonial philosophy in sub-Saharan Africa. Occasional.

PHI 3800 CAH-PHIL 3(3,0)

PHI 3803 CAH-PHIL 3(3,0)
Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. Companion course to PHI 3800. Aesthetics. Examines the empirical and metaphorical claims made for creativity; attempts to account for intuition, genius, and intelligence. Occasional.

PHI 3805 CAH-PHIL 3(3,0)

PHI 4221 CAH-PHIL 3(3,0)
Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

PHI 4300 CAH-PHIL 3(3,0)
Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for skepticism, criteria for truth and justification for belief. Occasional.

PHI 4321 CAH-PHIL 3(3,0)
Philosophies of Embodiment: Mind/Body/ Soul: PR: Junior standing or either PHI 2010, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by western and non-western philosophies from ancient to contemporary times. Occasional.

PHI 4341 CAH-PHIL 3(3,0)
Ways of Knowing: PR: PHI 2010 or C.I. Philosophical study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0)
Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the axiological foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0)
Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, the nature of categories, the possibility and necessity of identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0)
Biology and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Odd Fall.

PHI 4833H CAH-PHIL 3(3,0)
Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4673 CAH-PHIL 3(3,0)
Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

PHI 4690 CAH-PHIL 3(3,0)
Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical issues of novel developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0)
Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL 3(3,0)
Philosophy in the News: PR: PHI 2010. Charging course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web-enhanced. Occasional.

PHI 4935 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: PHI 3320, PHI 3522, PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

PHI 4938 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Philosophy major, or C.I. Capstone course on research, developing effective oral and written communication skills. Spring.

PHI 5225 CAH-PHIL 3(3,0)
Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and culture. Occasional.
PHI 5325 CAH-PHIL 3(3,0)  
Topics in Philosophy of Mind: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Controversial issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.

PHI 5327 CAH-PHIL 3(3,0)  
Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Controversial issues in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5328 CAH-PHIL 3(3,0)  
Philosophies of Embodiment: PR: Admission to graduate certificate 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. Neurophilosophy, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0)  

PHI 5627 CAH-PHIL 3(3,0)  
Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on applied ethics in professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL 3(3,0)  
Medieval Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5655 CAH-PHIL 3(3,0)  
Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3638, PHI 4300, PHI 4341, PHI 4400, PHI 4633, PHI 4931 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 3100 CAH-PHIL 3(3,0)  
Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state, includes topics such as freedom, equality, and justice. Occasional.

PHM 3123 CAH-PHIL 3(3,0)  

PHM 3401 CAH-PHIL 3(3,0)  
Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.
Exercise I. Lab course emphasizing therapeutic exercise

and interventions for the evaluation and treatment of
physical therapy patients with musculoskeletal dysfunction. Spring.

Exercise I Lab, course emphasizing therapeutic exercise
treatments for patients with musculoskeletal dysfunction. Spring.

Neurological Physical Therapy:

Skills of patient care, transfers, mobility skills.
Patient Care Skills Lab:

Affective, cognitive, and psychomotor skills, regarding
musculoskeletal dysfunction.

Therapeutic Exercises I:

Patient Care Skills:

mac 2311c (or equivalent) with grade "c" (2.0) or better.
Physics for Engineers & Scientists I:

Physics designed for non-science majors, emphasizing
principles of physics using unifying theme of the production
of energy and its interaction with the environment.

PHY 2048c COS-PHYS  (3.0)

Physics for Engineers & Scientists I: PR: MAC 2311C (or equivalent) with grade "c" (2.0) or better. Electricity, magnetism, optics, Fall, Spring. M&S fee $15.00

PHY 2049c COS-PHYS  (3.0)

Physics for Engineers and Scientists II: PR: MAC 2312 and PHY 2048c with grades "c" (2.0) or better, and permission of Honors. Same as PHY 2049c with honors-level content. Fall, Spring.

PHY 2053c COS-PHYS  (4.3)

College Physics I: PR: MAC 1105c and MAC 1114c, or equivalent or C.I. Mechanics, waves, thermodynamics. Fall, Spring. M&S fee $14.00

PHY 2053c COS-PHYS  (4.3)

Honors College Physics I: PR: MAC 1105c and MAC 1114c, or C.I. and consent of Honors. Mechanics, waves, thermodynamics. With Honors content. Fall.

PHY 2054c COS-PHYS  (4.3)

Honors College Physics II: PR: PHY 2053c and consent of Honors. Arrows, electricity, and magnetism, optics, x-rays, radioactivity. With Honors content. Spring.

PHY 2054c COS-PHYS  (4.3)

College Physics II: PR: PHY 2053c, Fluids, electricity and magnetism, optics, x-rays, radioactivity. Fall, Spring. M&S fee $15.00

PHY 3101 COS-PHYS  (3.0)


PHY 3101h COS-PHYS  (3.0)

Honors Physics for Engineers and Scientists III: PR: PHY 2049c, MAC 2313, and consent of Honors. Same as PHY 3101 with honors-level content. Fall.

PHY 3220 COS-PHYS  (3.0)


PHY 3323 COS-PHYS  (3.0)

Electricity and Magnetism I: PR: PHY 2049c, MAP 2302. Electrostatics, magnetostatics, Lorentz force current electricity, Maxwell’s equations. Fall.

PHY 3513 COS-PHYS  (3.0)

Thermal and Statistical Physics: PR: PHY 3101 or PHY 3323. Statistical thermodynamics, kinetic theory, elements of statistical mechanics. Fall.

PHY 3722c COS-PHYS  (3.0)


PHY 3752c COS-PHYS  (3.0)


PHY 3802l COS-PHYS  (3.0)

Intermediate Physics Laboratory: PR: PHY 3101 or C.I. Laboratory work in basic measurements of physical constants; experiments in electrodynamics, modern physics, nuclear physics, optics, and solid state physics. May be repeated for credit. Fall.

PHY 3920 COS-PHYS  (1.0)

Frontiers in Physics Research: Colloquia and Public Talks: PR: PHY 3101 or C.I. Presentations of current research and major advances in physics. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

PHY 3945 COS-PHYS  (1.0)

Physics Pedagogy Seminar: PR: PHY 2048c or PHY 2053c. Designed for students serving as Learning Assistants in the physics department and will help IAs to integrate educational theory, pedagogy and practice. Graded S/U. May be used in the degree program a maximum of 2 times. Occasional.

PHY 4012 COS-PHYS  (3.0)

Teaching Introductory Physics: PR: PHY 3101 or C.I. Students build specialized material required for teaching introductory physics by reviewing variety of physics concepts integrated with coherent teaching methods. Odd Spring.

PHY 4254 COS-PHYS  (3.0)

Physics of Fluids and Biofluids: PR: PHY 3513, PHY 3323, and MAP 2302 or C.I. Ideal fluids: basic equation of fluid flow; viscous flow, instability and turbulence; thermal and mass transfers in fluids; biofluid mechanics of blood circulation. Even Spring.

PHY 4324 COS-PHYS  (3.0)


PHY 4424 COS-PHYS  (3.0)


PHY 4445 COS-PHYS  (3.0)


PHY 4604 COS-PHYS  (3.0)


PHY 4605 COS-PHYS  (3.0)


PHY 4803c COS-PHYS  (1.5)


PHY 5015c COS-PHYS  (3.2)

Physics for Teachers II: PR: Graduate status or senior standing or C.I. "Hands-on" lecture-laboratory course. Dynamics, electricity, magnetism, optics, nuclear radiation. Occasional.

PHY 5140c COS-PHYS  (3.2)

Ion-Solid Interactions: PR: PHY 4604 or PHY 4324, graduate status or senior standing, or C.I. Physical principles and related scientific and technological applications of ion-solid interactions. Occasional.

PHY 5255 COS-PHYS  (3.0)

Physics of Fluids and Biofluids: PR: PHY 3513, PHY 3323, and MAP 2302 or C.I. Ideal Fluids: Basic equation of fluid flow; viscous flow, instability and turbulence; Thermal and mass transfers in fluids, biofluid mechanics of blood circulation. Even Spring.

PHY 5346 COS-PHYS  (3.0)

Electrodynamics I: PR: PHY 4324, and graduate status or senior standing or C.I. Boundary value problems in electrodynamics and magnetostatics. Maxwell’s equations EM fields in matter, wave generation and propagation; wave guides, resonant cavities. Fall.

PHY 5455 COS-PHYS  (3.0)

Modern X-Ray Science: PR: Graduate status or senior standing of C.I. An introduction to the science and applications of modern X-ray spectroscopy, X-ray lasers, etc., with a review of basic properties of X-rays. Occasional.

PHY 5524 COS-PHYS  (3.0)


PHY 5606 COS-PHYS  (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 5655 COS-PHYS  (3.0)


PHY 5704 COS-PHYS  (3.0)

Physics of Nanoelectronic Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.
PHYZ 4390 COS-PHYS
Nuclear and Particle Physics: PR: PHY 4605 or C.I. Nuclear and particle physics and the fundamental nature and event that the universe is built from particles. Occasional.

PHYZ 4404 COS-PHYS

PHYZ 4434 COS-PHYS
Nanoscience I: The Science and Societal Impacts: PR: PHY 2049C or PHY 2054C, and CHM 2046C, and COP 3223. Provides a broad view of nanotechnology and the basic theoretical principles behind it, with special focus on fundamental properties and implications to society. Fall.

PHYZ 4455 COS-PHYS
Nanofabrication and Ion-Beam Technology: PR: Graduate standing or C.I. Basic theory of ion-solid interaction; fundamental principle of focused ion beam instrument and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PHYZ 5156 COS-PHYS
Computational Physics: PR: PHZ 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PHYZ 5304 COS-PHYS
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.

PHY 5425C COS-PHYS
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.

PHYZ 5432 COS-PHYS

PLA 3615 HPA-LS
Law and Property: PR: or CR: PLA 3014 or C.I. Study of the real law and personal property; real estate transactions and conveyances; closing procedures and title insurance. Fall, Spring.

PLA 3951H HPA-LS
Honors Moot Court: PR: Junior Standing and Consent of Honors, and C.I. Interdisciplinary course on selective principles of Constitutional Law, focusing on persuasive writing, oral advocacy, public speaking, and analytical skills through UCF’s appellate advocacy/moot court tournament. Fall.

PLA 4240 HPA-LS
Negotiation Alternatives in Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Theories and skills involved in negotiation, mediation and other dispute resolution processes. Occasional.

PLA 4263 HPA-LS
Evidence: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-LS
The Law of Contracts: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-LS
Florida Partnerships and Corporations: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.
PLA 4464 HPA-LS 3(3,0)
Bankruptcy Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-LS 3(3,0)
Employment Discrimination Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-LS 3(3,0)
Administrative Law: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4521 HPA-LS 3(3,0)

PLA 4530 HPA-LS 3(3,0)
Legal Issues of the Elderly: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-LS 3(3,0)
Environmental Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-LS 3(3,0)
Cyber Law I: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Analysis of copyright, trademark, and patent issues in cyberspace. Occasional.

PLA 4607 HPA-LS 3(3,0)
Estates and Trusts: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS 3(3,0)
Estate Administration: PR: (PLA 4607 and Junior standing) or C.I. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS 3(3,0)
Professional Ethics and Liability: PR: or CR: PLA 3014, and PR: Sophomore Standing, or C.I. Ethical responsibilities of professionals, canons of legal ethics, liability for professional malpractice. Fall, Spring.

PLA 4734 HPA-LS 3(3,0)
Advanced Legal Applications Computer Software: PR: or CR: PLA 3014, and PR: Junior Standing, or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0)
Law Office Practices: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Organization, operation and management of law office. Interviewing techniques and practical application of work that is done in a law office. Occasional.

PLA 4806 HPA-LS 3(3,0)
Domestic Relations Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-LS 3(3,0)
Juvenile Law and Procedure: PR: or CR: PLA 3014, and PR: Junior standing or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-LS 3(3,0)
Sports Law: PR: or CR: PLA 3014, and PR: Junior standing or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824 HPA-LS 3(3,0)

PLA 4825 HPA-LS 3(3,0)
Entertainment Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4830 HPA-LS 3(3,0)
World Legal Systems: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Examination of various legal traditions and systems of the World. Substantive and procedural laws will be examined. Occasional.

PLA 4834 HPA-LS 3(3,0)

PLA 4843 HPA-LS 3(3,0)
Immigration Law and Policy: PR: PLA 3014, and PR: Junior standing. Major topics in U.S. immigration law to include the statutory, historical, and procedural foundations of U.S. immigration law and policy. Fall, Spring.

PLA 4861 HPA-LS 3(3,0)
Aviation Law: PR: PLA 3014 and Junior standing, or C.I. The law as it applies to aviation and aerospace activities domestically and internationally, including post-9/11 national aviation policy and emerging technologies (drones). Fall, Spring.

PLA 4864 HPA-LS 3(3,0)
Admiralty and Maritime Law: PR: or CR: PLA 3014, and PR: Junior standing, or C.I. Admiralty jurisdiction and procedure including contracts for carriage of goods, seaman's contracts and claims, collision and salvage law, and wrongful death. Occasional.

PLA 4910 HPA-LS 3(3,0)
Trial Advocacy: PR: PLA 4263 or C.I. Analysis of the entire litigation process from the initial client interview through the appellate stage, and development of oral advocacy skills. Fall, Spring.

PLA 4935 HPA-LS 3(3,0)
Capstone: Legal Issues: PR: senior status, PLA 3155, Legal Studies major. The legal and socio-legal analysis of issues that require students to synthesize their legal studies education. Course will assist students entering employment or graduate education. Fall, Spring.

PLA 5587 HPA-LS 3(3,0)
Current Issues in Cyberlaw: PR: Graduate standing, or C.I. Advanced examination and discussion of free speech, copyright, trademark, patent and privacy issues in the online environment through interactive class discussions, online discussions, postings, case study reviews, and legal research projects. Occasional.

POR 1120C CAH-LANG 4(3,1)
Elementary Portuguese Language and Civilization I: Introduces the student with the substantive and procedures of Portuguese language and civilization. Spring.

POR 2200 CAH-LANG 3(3,0)
Intermediate Portuguese I: PR: POR 1120C or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 2201 CAH-LANG 3(3,0)
Intermediate Portuguese II: PR: POR 2200 or equivalent or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.

POR 3140 CAH-LANG 3(3,0)
Accelerated Portuguese for Speakers of Romance Languages: PR: FRE 2201, or ITA 2201, or SPN 2201, or course equivalent. Accelerated Portuguese for proficient speakers of Romance Languages. It is expected that students have no prior knowledge of Portuguese. Occasional.

POS 2041 COS-POLS 3(3,0)
American National Government: A study of the dynamics of American national government, including its structure, organization, powers, and procedures. Fall, Spring.

POS 2041H COS-POLS 3(3,0)
Honors American National Government: PR: Permission of Honors. Same as POS 2041 with honors-level content Occasional.

POS 3076 COS-POLS 3(3,0)
American Indian Politics: PR: POS 2041 or C.I. Politics and policies specific to indigenous peoples of the United States. Occasional.

POS 3122 COS-POLS 3(3,0)

POS 3122H COS-POLS 3(3,0)

POS 3173 COS-POLS 3(3,0)

POS 3182 COS-POLS 3(3,0)
Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. With Honors content. Occasional.

POS 3182H COS-POLS 3(3,0)

POS 3233 COS-POLS 3(3,0)
Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3234 COS-POLS 3(3,0)
Protest in American Politics: PR: POS 2041 or C.I. Connections between politics and protest in American politics including its impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3235 COS-POLS 3(3,0)
Mass Media and Politics: PR: ENC 1102 or POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.
POS 3235H COS-POLS 3(3,0) Honors Mass Media and Politics: PR: POS 2041 or C.I. Consent of Honors. Influence of media on campaign, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.

POS 3258 COS-POLS 3(3,0) Politics in Film: PR: ENC 1102 or POS 2041 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

POS 3272 COS-POLS 3(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.

POS 3273 COS-POLS 3(3,0) Voting and Elections: PR: POS 2041 or C.I. Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS 3(3,0) The American Presidency: PR: ENC 1102 or POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office’s evolution in status, powers, administrative responsibilities, leadership, and decision-making. Occasional.

POS 3424 COS-POLS 3(3,0) Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution, undergoing dynamic change, emphasis upon recruitment of legislators, institutional and informal rules, the committee system, legislative procedures. Fall.

POS 3443 COS-POLS 3(3,0) Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system and its impact on elections, defining American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.

POS 3463 COS-POLS 3(3,0) Interest Groups: PR: POS 2041 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and proliferation of interest organizations over the past quarter century. Occasional.


POS 3703 COS-POLS 3(3,0) Scope and Methods of Political Science: PR: POS 2041 or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.

POS 3703H COS-POLS 3(3,0) Honors Scope and Methods: PR: POS 2041 and consent of Honors. Scope and methodology of political analysis. Discipline-specific research design, research process, methods of investigation and analysis, survey research, sampling, qualitative research, and ethical considerations. Occasional.

POS 3733 COS-POLS 3(3,0) Designing Political Science Research: PR: POS 2041 or INR 2002 or C.I. Logic of inquiry, research design, literature review, research ethics, case studies and case selection; other qualitative methods, such as interview techniques and content analysis. Even Spring.

POS 3949 COS-POLS 0(0,8) Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. Occasional.

POS 4030 COS-POLS 3(3,0) The Politics of Sports: PR: POS 2041 or C.I. Emergent concerns in sports policy, institutional interventions in sports regulation, the politics of sports arenas and teams, and civic and political engagement through sports. Occasional.

POS 4074 COS-POLS 3(3,0) Latino Politics: PR: POS 2041 or C.I. Political characteristics of the Latino community in the United States and its impact on national and international politics and policies. Occasional.

POS 4142 COS-POLS 3(3,0) Metropolitan Politics: PR: POS 2041 or C.I. Analysis of political patterns, processes, and issues in American metropolitan areas. Interrelationships among political and social arrangements in the existing and emerging metropolitan areas. Occasional.

POS 4204 COS-POLS 3(3,0) Political Behavior: PR: POS 2041 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS 3(3,0) Political Psychology: PR: ENC 1102 or POS 2041 or C.I. The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4244 COS-POLS 3(3,0) Political Socialization: PR: POS 2041 or C.I. Examines acquisition and development of political values, beliefs, attitudes, and opinions; how individuals learn about politics; and influences on political development, behavior, and opinion. Occasional.

POS 4284 COS-POLS 3(3,0) Judicial Process and Politics: PR: ENC 1102 or POS 2041 or C.I. Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS 3(3,0) Presidential Campaigning: PR: ENC 1102. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

POS 4603 COS-POLS 3(3,0) American Constitutional Law I: PR: ENC 1102 or POS 2041 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. Fall.

POS 4604 COS-POLS 3(3,0) American Constitutional Law II: PR: ENC 1102 or POS 2041 or C.I. Development of civil liberties and civil rights in the American federal system. Spring.

POS 4622 COS-POLS 3(3,0) Politics and Civil Rights: PR: ENC 1102 or POS 2041 or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4764 COS-POLS 3(3,0) GIS for Political Analysis: PR: POS 2041 and ENC 1102. Use of mapping and other spatial methods in political science research. Occasional.

POS 4941 COS-POLS 3(0,9-3) Political Science Internship: PR: C.I. Internship working with the national, state, county or municipal government. Assignments with selected civic organizations, elected or appointed officials. May be repeated for credit. Occasional.

POT 3204 COS-POLS 3(3,0) American Political Thought: PR: ENC 1102 or C.I. From its sources to the 20th century, including liberalism, puritanism, the Federalist, the rise of industrialism, resulting social movements, modern variations. Odd Fall.

POT 3302 COS-POLS 3(3,0) Modern Political Ideologies: PR: ENC 1102. A study of modern ideologies since the French Revolution including liberalism, conservatism, socialism, nationalism, fascism and anarchism. Occasional.

POT 4003 COS-POLS 3(3,0) Political Theory: PR: ENC 1102. Examination of various normative approaches to the study of political science, stressing contemporary developments in the field. Even Fall.

POT 4025 COS-POLS 3(3,0) Ancient, Medieval and Early Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas in western thought from early Greece through the 17th century. Occasional.

POT 4054 COS-POLS 3(3,0) Modern Political Philosophy: PR: ENC 1102. Study of the development of political and social ideas from the 18th century to the present. May be taken independently of POT 4045 (Ancient, Medieval and Early Modern Political Philosophy). Occasional.

POT 4066 COS-POLS 3(3,0) Contemporary Political Theory: PR: ENC 1102. Study of the contemporary debate about the status of rights, utilitarianism, and liberalism, and communitarian Marxism, libertarian, and feminist critiques of liberalism. Occasional.

POT 4109 COS-POLS 3(3,0) Politics and Literature: PR: Junior standing or C.I. An examination of politics and the political process through the medium of literature. Occasional.

POT 4109H COS-POLS 3(3,0) Honors Politics and Literature: PR: Junior standing. Politics and political process through the medium of literature. Occasional.

POT 4351 COS-POLS 3(3,0) The State, Society, and the Individual: PR: Junior standing or C.I. The relationship between the state, society, and the individual by discussing the works of major authors from Adam Smith to Robert Axelrod. Odd Fall.

POT 4314 COS-POLS 3(3,0) Contemporary Democratic Theory: PR: ENC 1102 or POS 2041 or C.I. Study of democratic theories, emphasizing liberal democracy and its critics, elitist theories, participatory democracy, citizen participation, and relevance of empirical research to democratic theory. Occasional.

POT 4331 COS-POLS 3(3,0) Utopia/Dystopia: PR: ENC 1102. Examines political issues, such as justice, economic distribution and social organization by exploring both classic and contemporary utopias and dystopias. Occasional.

POT 4345 COS-POLS 3(3,0) Pan-Africanist Thought: PR: INR 2002 or C.I. Philosophical assumptions, theoretical frameworks, ideological orientations and social/political thinkers that have contributed to the tradition of Pan-Africanist thought. Occasional.

POT 4414 COS-POLS 3(3,0) Marxist Political Theory: PR: ENC 1102. Survey of Marx & Engels and other thinkers, exposing the theoretical underpinnings of nations and groups who have adapted Marxist principles for governance. Occasional.

POT 4632 COS-POLS 3(3,0) Religion and Politics: PR: ENC 1102 or POS 2041 or C.I. Institutional and individual relationship of religion and politics including globalization, fundamentalism, secularization, American exceptionalism, political behavior, and the religious origins of current secular concepts. Occasional.

PPE 3063 COS-PSYCH 3(3,0) Biopsychology Theory and Research: PR: PSY 2012. A survey of theory and research on the development of personality characteristics. Fall, Spring.
PPE 3003H COS-PSYCH 3(3,0)

PPE 5055 COS-PSYCH 3(3,0)
Personality Theories: PR: Graduate status or C.I. Critical theoretical models of personality development, with applications to counseling, psychotherapy and psychological assessment. Occasional.

PSB 3002 COS-PSYCH 3(3,0)
Physiological Psychology: PR: PSY 2012. The physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Fall, Spring.

PSB 3002H COS-PSYCH 3(3,0)

PSB 3441 COS-PSYCH 3(3,0)
Psychobiological Aspects of Drugs: PR: PSY 2012. An advanced course designed for web instruction. Focus on pharmacology, neurophysiology and neuroanatomy as the foundation of understanding behavior and social consequences of drug use. Spring.

PSB 3842 COS-PSYCH 3(3,0)

PSB 4103C COS-PSYCH 3(2,2)

PSB 4240C COS-PSYCH 4(3,2)

PSB 5005 COS-PSYCH 3(3,0)
Physiological Psychology: PR: PSY 3012 and graduate status or senior standing or C.I. An advanced survey of the physiological basis of behavior, emphasizing the relationship between the nervous system and behavior. Occasional.

PSC 1121 COS-PHYS 3(3,0)
Physical Science: PR: High school algebra or MAC 1105C. Fundamental laws of mechanics, heat, waves, electricity, magnetism; chemical processes and equations, properties of gases, liquids, solids, solutions. Fall, Spring.

PSC 1121L COS-PHYS 10(2.0)
Physical Science Lab: CR: PSC 1121. Experiments to apply the scientific method to observation and analysis in mechanics, heat, light, electricity and magnetism, chemical and physical transformations. Fall, Spring. M&S fee $14.00.

PSC 1801 COS-PHYS 3(3,0)

PSY 2012 COS-PSYCH 3(3,0)
General Psychology: A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PSYCH 3(3,0)
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PSYCH 2(2.0)
Psychology Cornerstone: Career Paths: PR: PSY 2012. What it means to be a psychology major, career opportunities upon graduation, and different graduate school paths. Graded S/U. Fall, Spring.

PSY 3022C COS-PSYCH 3(1,8)

PSY 3028 COS-PSYCH 3(3,0)
Psychology of Career Development: PR: PSY 2012 or C.I. Review of career development theories and research literature on career decision-making. Examination of career development in psychology, including educational entry requirements and related issues. Occasional.

PSY 3204C COS-PSYCH 4(3,1)
Statistical Methods in Psychology: PR: PSY 2012, and either STA 2014C or STA 2023, or C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression applied to research in psychology. Occasional.

PSY 3213C COS-PSYCH 5(3,2)
Research Methods in Psychology: PR: PSY 2012, PSY 3204C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee $20.00.

PSY 3302 COS-PSYCH 3(3,0)

PSY 3320C COS-PSYCH 3(2,2)

PSY 3625 COS-PSYCH 3(3,0)
Science and Pseudoscience in Psychology: PR: PSY 2012 or C.I. Critically evaluates fringe-science, paranormal, and otherwise unusual beliefs about human behavior. Scientific methodology is used to evaluate bizarre claims such as ESP, astrology, voodoo, mind control, and alien abduction. Occasional.

PSY 3630 COS-PSYCH 3(3,0)

PSY 3951 COS-PSYCH 1(9-3,30)
Undergraduate Field Work: PR: Senior standing and C.I. Placement in a community agency for supervised experience in applications of psychology to community problems. Graded S/U. May be repeated for credit. Fall, Spring.

PSY 4025 COS-PSYCH 3(3,0)
The Psychology of Art: PR: or CR: ARH 2051, or any ART prefix course. Discussion of psychological perspectives on art to gain a greater understanding and enhanced appreciation for the process and products of creativity. Occasional.

PSY 4049 COS-PSYCH 1(1,0)
Psychology Capstone: PR: Psychology major and PSY 2012 and Senior Status. Refresh and apply knowledge in core areas of psychology to cutting edge research in applied disciplines. Graded S/U. Occasional.

PSY 4215C COS-PSYCH 4(3,2)

PSY 4215C COS-PSYCH 4(3,2)

PSY 4604 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PSYCH 3(3,0)
Honors History and Systems in Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 4942 COS-PSYCH 3(3,0)
Instructional Experiences in Undergraduate Psychology: PR: PSY 2012 and C.I. Prepares undergraduate students to use media to learn psychology concepts by facilitating learning in variety of university psychology classrooms and labs. Graded S/U. Occasional.

PSY 5605 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of modern American psychology from its origins in the late 19th century to the present time. This course is intended for the PhD in Clinical Psychology, in certain instances graduate students in other programs may enroll. Odd Fall.

PUP 3014 COS-POLS 3(3,0)
Comparative Public Policy: PR: POS 2041 or C.I. Public policy, ecology, and the urban environment. Fall, Spring.

PUP 3204 COS-POLS 3(3,0)
Sustainability: PR: ENC 1102 or Junior standing. Environmental politics through the lens of "sustainability." Attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 3314 COS-POLS 3(3,0)
Minorities in American Politics: PR: ENC 1102 or POS 2041 or C.I. Historical and contemporary role of minority groups in the American political process, including an examination of their electoral significance and relevant legislative, executive, and judicial policies. Occasional.

PUP 3325 COS-POLS 3(3,0)
Women and Political Behavior: PR: POS 2041 or ENC 1102, or C.I. Women's role in the political process, emphasizing women in the governmental and policy process. Occasional.

PUP 4003 COS-POLS 3(3,0)
American Public Policy: PR: POS 2041 or C.I. Policy formation, implementation and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4209 COS-POLS 3(3,0)
Urban Environmental Policy: PR: ENC 1102 or POS 2041 or C.I. Public policy, ecology, and the urban political landscape explored by tracing their development and prospects for sustainable cities. Occasional.
PUP 4323   COS-POLS  3(3,0)  Women and Public Policy: PR: POS 2041 or ENC 1102, or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404   COS-POLS  3(3,0)  Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of educational reform. Occasional.

PUP 4503   COS-POLS  3(3,0)  Government and Science: PR: ENC 1102 or POS 2041 or C.I. Examination of interface between science and government. Focus is upon governmental support for science, scientific accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510   COS-POLS  3(3,0)  Space Policy: PR: ENC 1102. An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602   COS-POLS  3(3,0)  Politics of Health: PR: ENC 1102. Analysis of health policy issues and health policies. Primary focus upon political processes, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744   COS-POLS  3(3,0)  Government and Business: PR: ENC 1102. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931   COS-POLS  3(3,0)  Topics in Public Policy: PR: ENC 1102 or POS 2041, or C.I. Intensive analysis of a current public policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be taken in the degree program a maximum of 2 times. Occasional.

PUR 3004   COS-COMM  3(3,0)  Public Relations and Society: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. The important role public relations has played in the development of contemporary society. Occasional.

PUR 3100   COS-COMM  3(2,1)  Writing for Public Relations: PR: Ad-PR Majors only. Development of skills in writing for public relations. Fall, Spring.


PUR 3912   COS-COMM  3(3,0)  Collaborative Experiential Research Practicum: PR: Either SPC 1608, SPC 1603C or COM 1000, and C.I. Students will work as research assistants in a team, under faculty supervision, and learn first-hand the process of conducting communication/social scientific research. May be used in the degree program a maximum of 2 times. Occasional.

PUR 4000   COS-COMM  3(3,0)  Public Relations: PR: SPC 1608, or SPC 1603C, or COM 1000. Principles and practice of Public Relations including techniques, research tools, publicity and management. Fall, Spring.

PUR 4000H  COS-COMM  3(3,0)  Honors Public Relations: PR: Consent of Honors and one of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. Advanced review of principles and practice of public relations including techniques, research tools, publicity and management. Occasional.

PUR 4110C  COS-COMM  3(1,3)  Public Relations Publications: PR: Ad-PR majors and PUR 3100. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUR 4203   COS-COMM  3(3,0)  PR/Advertising Ethics and Law: PR: Ad-PR majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.

PUR 4400   COS-COMM  3(3,0)  Crisis Communication: PR: One of the following: SPC 1608, SPC 1603C, COM 1000, or C.I. The theory, process, and best practices of crisis communication. Occasional.

PUR 4801   COS-COMM  3(3,0)  Public Relations Case Studies: PR: Ad-PR majors only and PUR 4000 or C.I. Discussion and analysis of public relations cases highlighting the application of PR theory to advance organizational goals Fall, Spring.

QMB 4700   BA-MAN  3(3,0)  Managerial Decision Making: PR: GEB 3031 and MAN 3025. Computer-based quantitative decision models (including linear programming and extensions, queuing network models, simulation) and decision support systems for business organizations. Occasional.

RE 1105   ED-TL&L  3(3,0)  College Reading I: College reading improvement focusing on content areas and advanced study skills, comprehension, vocabulary growth, reading rate, note taking, and test preparation. Fall, Spring.

RED 3012   ED-TL&L  3(3,0)  Basic Foundations of Reading: PR: Junior standing or C.I. Principles, procedures, and current practices for teaching reading. Specific techniques and materials for word identification, content reading and comprehension. Fall, Spring.

RED 3310   ED-TL&L  3(3,0)  Early Reading, Writing, and Language Arts: PR: Admission to the Early Childhood Education Program. Emergent reading/writing processes during preschool, kindergarten, and first grade; methods for implementing integrated language arts curriculum; guiding developmental early childhood language experiences. Occasional.

RED 4043   ED-TL&L  3(3,0)  Content Reading in Kindergarten through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; Principles, strategies, assessment, and promoting practices. Fall, Spring.

RED 4311   ED-TL&L  3(3,0)  Primary Reading, Writing, and Language Arts Curriculum and Assessment: PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.


RED 4942   ED-TL&L  3(3,0)  Practicum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147   ED-TL&L  3(3,0)  Developmental Reading: PR: Graduate standing or C.I. Principles, procedures, organization, and current practices in the elementary reading program. Materials and methods of instruction. Occasional.

RED 5517   ED-TL&L  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.

RED 5948   ED-TL&L  3(3,0)  Practicum in Reading Assessment and Instruction: PR: RED 5517. Practicum that requires classroom diagnosis; Practicum in actual practice 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 3403. 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 3403; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204   BA-FIN  3(3,0)  Residential Real Estate Finance: PR: FIN 3403; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303   BA-FIN  3(3,0)  Real Estate Investment Analysis: PR: FIN 3403. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. Fall, Spring.

REE 4732   BA-FIN  3(3,0)  Real Estate Development: PR: FIN 3403. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. Fall.

REE 4933   BA-FIN  3(3,0)  Advanced Topics in Real Estate: PR: REE 3043 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.

REL 2000   CAH-PHIL  3(3,0)  Introduction to Religious Studies: Introduction to the academic study of religion; exploration of the phenomenon of religion and critical thinking about the question: What is religion?. Fall.

REL 2300   CAH-PHIL  3(3,0)  World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 3101 CAH-PHILO 3(3,0) 
Religion in Popular Culture: PR: REL 2000, REL 2300 or C.I. Explication of traditional religion in popular culture and popular culture as non-traditional religion by means of various postmodern, theoretical perspectives with emphasis on the religious dynamics involved but often unnoticed in popular (secular) culture. Fall.

REL 3111 CAH-PHILO 3(3,0) 
Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 or REL 2300 or FIL 100. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3112 CAH-PHILO 3(3,0) 

REL 3115 CAH-PHILO 3(3,0) 

REL 3123 CAH-PHILO 3(3,0) 

REL 3130 CAH-PHILO 3(3,0) 

REL 3320 CAH-PHILO 3(3,0) 
Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

REL 3333 CAH-PHILO 3(3,0) 
Hinduism: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from Vedic times to the Upanishads, Epic Literature to the modern age. Even Spring.

REL 3340 CAH-PHILO 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 3363 CAH-PHILO 3(3,0) 
Islam: PR: REL 2300 or C.I. Development of Islamic religious thought and culture, emphasizing the teachings of the Qur’an, Hadith, Islamic law, and philosophy with special focus on perceptions of Islam in the West. Fall.

REL 3403 CAH-PHILO 3(3,0) 
Christianity: PR: REL 2300. A study of Christianity and the history of its associated beliefs, rituals, and art with special attention to issues concerning human nature, social justice, the state, just war, science, and attitudes toward women. Occasional.

REL 3432 CAH-PHILO 3(3,0) 
Roots of Western Mysticism: PR: HUM 3431, HUM 3432, REL 3430, REL 3530, PHI 5100, or PHI 3200. Ancient Hebrew, and early modern European mysticism, and its influence on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110 CAH-PHILO 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 4157 CAH-PHILO 3(3,0) 
Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of program design and production decisions are conducted by students under the direction of a project leader. Fall, Spring.

RTV 4503 COS-COMM 3(3,0) Sports Programming in Electronic Media: PR: Either RTV 4503 or RTV 3300, RTV 3007, or C.I. Students who determine that sports events are constructed for programming on broadcast stations, cable television, and other forms of electronic media. Fall.

RTV 4505 COS-COMM 3(2,1) Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of program development theories, strategies and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4544 COS-COMM 4(4,0) Advanced Studio Production: PR: RTV 3260, RTV 3534, and RTV 3263. Students will learn and apply advanced techniques in production and directing television programming and video projects both in-studio and on-location. Fall, Spring.

RTV 4557C COS-COMM 3(2,1) Audio Production II: PR: RTV 3565 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 $15.00

RTV 4561C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3511 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 4591C COS-COMM 3(2,1) Webcasting I: PR: RTV Major and PR: CR: RTV 3500. Preparation of digital material for broadcast and Internet delivery. 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 4592C COS-COMM 3(2,1) Webcasting II: PR: RTV 4591C and RTV Major. Production of digital content with an emphasis on delivery and distribution. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4673C COS-COMM 3(2,1) Television Directing: PR: RTV 3534, RTV 3531C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources with emphasis on dramatic values and composition. Students should expect significant work in the RTV lab facility outside of class. Fall. M&S fee $30.00

RTV 4681C COS-COMM 4(1,3) Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $20.00

RTV 4682C COS-COMM 3(2,1) Advanced TV News: PR: RTV 4681C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the RTV lab. Students should expect significant work in the RTV lab facility outside of class. Occasional.
SOP 3784 COS-PSYCH 3(3,0)

SOP 5059 COS-PSYCH 3(3,0)
Advanced Social Psychology: PR: SOP 3004C, graduate status or senior standing, or C.I. The major findings and theories in social psychology are discussed in 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)
Human Behavior and the Social Environment II: PR: Admission to BSW Program and SOW 3104. Developmental assessment of families, groups, organizations, and communities, their impact on human functioning, and their potential for providing social support. Spring.

SOW 3284 HPA-SOWK 3(3,0)
Social Work Perspectives on Social Justice: PR: Junior Standing or C.I. Examination of the social justice mission of the social work profession. Addresses professional values, the rights of populations served, and justice within practice fields. Fall, Spring.

SOW 3300 HPA-SOWK 3(2,1)

SOW 3352 HPA-SOWK 3(3,0)
Practice II: Interpersonal Skills in Social Work: PR: Junior Standing or C.I. Study and practice of interviewing, group leadership, written communication, and oral presentations, in consensus as well as conflictual contexts of social work. Spring.

SOW 3401 HPA-SOWK 3(3,0)
Social Work Research: PR: STA 2014 or STA 2023. An introduction to research design and qualitative and quantitative methods of building knowledge for social work and the ethical use of research in professional practice. Spring.

SOW 3620 HPA-SOWK 3(3,0)
Culturally Competent Social Work Practice: PR: SOW 3204 and SOW 3104; PR or CR: SOW 3300. Study of social work intervention and skill development needed to serve oppressed groups. Spring.

SOW 3740 HPA-SOWK 3(3,0)
Social Work Practice with Loss & Life’s Transitions: PR: Junior Standing or C.I. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4148 HPA-SOWK 3(3,0)
Introduction to Military & Veteran Culture for Social Work Practice: PR: Junior standing; CR: SOW 3204 or C.I. An introduction to military life providing specific ways to better understand, communicate, and effectively interact with military, veterans, and their families. Fall, Spring.

SOW 4232 HPA-SOWK 3(3,0)

SOW 4283 HPA-SOWK 3(3,0)
Social Work and the Law: PR: Junior Standing or C.I. An overview of the legal system focusing on role of social workers play within the courts and legal processes pertaining to family law, mental health, child welfare. Fall.

SOW 4322 HPA-SOWK 3(3,0)
Social Work Practice with Groups: PR: SOW 3104 and Junior Standing. Provide theories and skills of general social work practice with small groups in a wide range of social service agencies and with diverse client populations. Spring.

SOW 4341 HPA-SOWK 3(1,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343 HPA-SOWK 3(3,0)
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4510 HPA-SOWK 3(0,28)
Field Education: PR: Completion of required courses in major; CR: SOW 4522. Supervised field learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U. Spring.

SOW 4515 HPA-SOWK 1-2(2-1)
Part Time Field Education Seminar: PR: Completion of all required social work courses for the major and CR: SOW 4941. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4522 HPA-SOWK 3(2,1)
Field Education Seminar: PR: Completion of required courses in major; CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602 HPA-SOWK 3(3,0)
Social Work in Health Settings: PR: Junior Standing or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645 HPA-SOWK 3(3,0)
Social Services for the Elderly: PR: Junior Standing or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650 HPA-SOWK 3(3,0)
Child Abuse: Treatment and Prevention: PR: SOW 3300 and Admission to BSW program or C.I. The social worker’s role and interventions with victims of child abuse and their family members. Spring.

SOW 4654 HPA-SOWK 3(3,0)
Children’s Services: PR: (Admission to BSW program) or (PR or CR: SOW 3104). Study of societal responses to children’s needs. Development of skills for preventing family breakdown, placing children in alternative care, and reuniting children with their families. Fall, Spring.

SOW 4673 HPA-SOWK 3(3,0)

SOW 4705 HPA-SOWK 3(3,0)
Prevention and Treatment of Adolescent Substance Abuse: PR: Junior Standing. An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems Even Fall, Spring.

SOW 4706 HPA-SOWK 3(3,0)
Intervention with Substance Abusers: PR: Junior Standing. Strategies with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-SOWK 3(3,0)
Documentation in Social Work Practice: PR: SOW 3300 and SOW 3352. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754 HPA-SOWK 3(3,0)
Forensic Social Work Theory and Practice: PR: Junior Standing or C.I. The role of social workers within the courts and criminal justice system. Occasional.

SOW 4794 HPA-SOWK 3(3,0)
Social Work with Immigrants and Refugees: PR: SOW 3202; PR or CR: SOW 3204 of Junior Standing or C.I. Social work practice with immigrants and refugees; specifically addressing social policies, programs and legal issues resulting from a national and an international perspective. Fall.

SOW 5105 HPA-SOWK 3(3,0)
Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals through various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5149 HPA-SOWK 3(3,0)
Military and Veteran Culture with Historical Frameworks: PR: Admission to Master of Social Work program or C.I. Thorough analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. Spring.

SOW 5235 HPA-SOWK 3(3,0)
Social Welfare Policies and Services: Study of societal responses to human needs; forces shaping social welfare systems; introduces frameworks for analyzing social policies and services Fall.

SOW 5305 HPA-SOWK 3(3,0)
Social Work Practice I: Generalist Practice: Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5404 HPA-SOWK 3(3,0)
Social Work Research: Study of group research designs in social work; quantitative analyses; and related ethical issues. Fall.

SOW 5538 HPA-SOWK 3(3,0)
Full-Time MSW Generalist Field Education and Seminar I: PR: Admission to Master of Social Work program or C.I.; CR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 200 clock hours. Graded S/U. Fall.

SOW 5539 HPA-SOWK 3(3,0)
UCF Courses and Descriptions


SPA 3011 HPA-COM SC&DIS 3(3,0) Speech Science I: Production: PR: SPA 3112. CR: SPA 3111L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.


SPA 3101 HPA-COM SC&DIS 3(3,0) Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.


SPA 3112 HPA-COM SC&DIS 3(3,0) Basic Phonetics: CR: SPA 3112L. Physiological description and visual notation of standard speech patterns and regional dialects. Fall, Spring.

SPA 3112L HPA-COM SC&DIS 1(0,1) Basic Phonetics Lab: CR: SPA 3112L. Practicing the transcription of normal and deviant speech samples. Graded S/U. Fall, Spring.

SPA 3123 HPA-COM SC&DIS 3(3,0) Speech Science II: Perception: PR: SPA 3112, CR: SPA 3123. How the perception of human speech differs from that of other auditory signals. Fall, Spring.


SPA 3412 HPA-COM SC&DIS 3(3,0) Brain Storires: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as corequisite) or PSY 2012 or C.I. A case study approach to communicative-cognitive disorders due to brain injury Fall, Spring.

SPA 3471 HPA-COM SC&DIS 3(3,0) Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing the psychology of individual differences and familial challenges as well as society's perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472 HPA-COM SC&DIS 3(3,0) Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social, emotional, and behavioral development of young children, with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPA 4032 HPA-COM SC&DIS 3(3,0) Audiology: PR: SPA 3101 and Junior Standing, or C.I. Anatomy of hearing, hearing loss, pure tone audiometry, hearing aids, problems of the deaf and hard of hearing. Clinical skills development required. Fall, Spring.

SPA 4241 HPA-COM SC&DIS 3(3,0) Genetics Aspects of Communication Disorders: PR: BSC 2010C, Junior or senior standing. Theoretical framework for understanding human genetics and the genetic aspects of communication and feeding disorders. Spring.


SPA 4326 HPA-COM SC&DIS 3(3,0) Hearing Disorders Across the Lifespan: PR: SPA 3123, SPA 4032 and Senior Standing. The role of age and secondary consequences of hearing loss across the lifespan, including hearing impairments and communication limitations. Fall, Spring.

SPA 4400 HPA-COM SC&DIS 3(3,0) Language Disorders Across the Life Span: PR: LIN 3716 and Junior Standing, or C.I. Etiology, assessment, and management of language disorders in children, adolescents, and adults, including those associated with autism, traumatic brain injury, learning disabilities, and dementia. Fall, Spring.

SPA 4476 HPA-COM SC&DIS 3(3,0) Speech Disorders Across the Lifespan: PR: SPA 3011, and SPA 3112 and Junior Standing, or C.I. 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 & Differences: PR: LIN 3716, Senior Standing, or C.I. Cultural and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4555 HPA-COM SC&DIS 3(3,0) Counseling in Communication Disorders: PR: SPA 3471 or C.I. Practical interviewing and counseling in the area of communication disorders. Fall, Spring.

SPA 4580 HPA-COM SC&DIS 3(3,0) Augmentative and Alternative Communication Systems: PR: LIN 3717 or C.I. The total integrated network of techniques, aids, 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 or permission of the educational director. 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 2023. 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: or CR: All required CS&D courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948 HPA-COM SC&DIS 3(3,0) Community Internship: CR: SPA 4326 and senior standing. Supervised interaction and planned activities with individuals experiencing problems with hearing, balance, or the disorders of hearing in community settings including clinics, hospitals, etc. Course may be repeated for credit up to two times. Fall, Spring.

SPA 5554 HPA-COM SC&DIS 3(3,0) Counseling in Communicative Disorders: PR: Sophomore Standing. Theories and principles of counseling for individuals with communication disorders and their families. Spring.

SPB 3003 BA-BA 3(3,0) Introduction to Sport Business Management: PR: Sophomore Standing. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Fall, Spring.

SPB 3603 BA-BA 3(3,0) Diversity and Social Issues in Sport Business Management: PR: SPB 3003 with a “C” (2.0) or better. Diversity, social issues, social responsiveness, and financial performance in professional, collegiate, and Olympic sport. Occasional.

SPB 3823 BA-BA 3(3,0) Sports Event and Facility Management: PR: SPB 3003 with a “C” (2.0) or better. The role of business entrepreneurship in sports/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories and concepts of business and entrepreneur behavior are applied. Occasional.

SPB 4304 BA-BA 3(3,0) Sports and Media: PR: SPA 3123 or C.I. The role of the media in the sport industry and its social impact. Fall, Spring.

SPB 4804 BA-BA 3(3,0) Sport Business and Media: PR: SPA 3003 with a “C” (2.0) or better. The role of sport and media in the sport business industry. Fall, Spring.

SPC 1022 C PR: SPB 3003 with a “C” (2.0) or better. Analysis of business entrepreneurship in sports/entertainment by examining various entrepreneurs and cultural movements in business organizations. Theories and concepts of business and entrepreneur behavior are applied. Occasional.

SPC 1035 C PR: or or CR: All required CS&D courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPC 1603C COS-COMM 3(1,5,5) Fundamentals of Technical Presentations: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.


SPC 1608 COS-COMM 3(3,0) Fundamentals of Oral Communication: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering public speeches. Fall, Spring.


SPC 2942 COS-COMM 1-2(1-3,0) Debate Practicum: Training and participation in intercollegiate debate. Graded S/U. May be used in the degree program a maximum of 3 times. Occasional.

SPC 3001 COS-COMM 3(3,0) Interpersonal Communication: PR: or CR: COM 3011 and C.I. Nature of the communication process; variables affecting the process and the individuals involved. Analysis of communication models, intercultural behavior, situational cues, verbal and non-verbal messages. Fall, Spring.

UNIVERSITY OF CENTRAL FLORIDA 530 Undergraduate Catalog 2015-2016
SCS 3425C COS-COMM 3(2,1)
Group Interaction and Decision-Making: PR: C.R. COM 3311, or C.R. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Occasional.

SCS 3445 COS-COMM 3(3,0)
Leadership Through Oral Communication: PR: C.R. COM 3311 or C.R. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall, Spring.

SCS 3513C COS-COMM 3(1.2)
Argumentation and Debate: PR: One of the following: SCS 1608, SCS 1603C, COM 1000, or C.R. Study and practice in the preparation and delivery of argumentative speeches emphasizing argument, evidence, and organization. Occasional.

SCS 3513H COS-COMM 3(3,0)

SCS 4351 COS-COMM 3(3,0)
Nonverbal Communication: PR: or C.R. COM 3311, or C.R. Review of current behavioral research in such areas as proxemics, kinesics, physical characteristics, tactile communication, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SCS 4426 COS-COMM 3(3,0)
Group Dynamics: PR: or C.R. COM 3311, or C.R. Human behavior in group situations. Fall, Spring.

SCS 4540 COS-COMM 3(3,0)
Persuasion and Communication: PR: or C.R. COM 3311, or C.R. A survey of the immediate and direct ways in which persuasive communication and social groups come to influence attitudes. Fall, Spring.

SPM 3130 ED-EHS 3(3,0)
Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.R. Requisite knowledge for developing and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204 ED-EHS 3(3,0)
Sports and Ethics: PR: Admission to Sport and Exercise Science program or Coaching Minor and minimum overall 2.5 GPA. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3434 ED-EHS 3(3,0)
Public Relations in Sport and Exercise Science: PR: PET 3005. Examining the role of public relations and media with specific application to sport and exercise science professionals. Fall, Spring.

SPM 3504 ED-EHS 3(3,0)
Fiscal and Facilities: Issues in Sport and Exercise Science: PR: PET 3005. Introduction to financial and operating fiscal and facility management, and operation of sport and exercise science facilities with a specific focus on fiscal management. Fall, Spring.

SPM 4723 ED-EHS 3(3,0)
Legal Issues in Sport and Exercise Science: PR: Admission to Sport and Exercise Science program and minimum overall 2.5 GPA. Examination of the legal issues and problems encountered by sport and exercise science professionals. Fall, Spring.

SPM 5155 ED-EHS 3(3,0)
Introduction to Sports Administration: PR: C.R. C.R. This course will provide an overview of the sports industry. Fundamental leadership administration and research theories as well as information on current issues are emphasized. Occasional.

SPM 5308 ED-EHS 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: C.R. C.R. Introduces students to all aspects of sports marketing including planning, organizing, marketing, evaluating, and conducting special and sport events. Occasional.

SPM 5506 ED-CFCS 3(3,0)
Financial Issues in Sports and Fitness: PR: C.R. Examines basic financial concepts including understanding annual reports, developing budgets, financial analysis, and examining methods for increasing revenue and controlling cost in the sport industry. Occasional.

SPM 5507 ED-EHS 3(3,0)
Leadership and Management: PR: C.R. C.R. Emphasizes understanding leadership and management in problem solving. Fall, Spring.

SPM 5508 ED-CFCS 3(3,0)
Modern Spanish Civilizations Study Abroad: PR: C.R. C.R. This course will focus on modern Spanish culture using examples from present day society. Cultural visits and visits are essential components of this course. Occasional.

SPS 3010 ED-EHS 3(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. Odd Fall.

SPS 3141 ED-EHS 3(3,0)

SPS 3142 ED-EHS 3(3,0)
Business Spanish III: PR: C.R. C.R. Continuation of Business Spanish II. Even Fall.

SPS 3234 ED-EHS 3(3,0)
Advanced Directed Readings: PR: SPN 2200 or C.R. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.

SPS 3300 ED-CFCS 3(3,0)
Advanced Spanish Grammar and Composition: PR: SPN 3140 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

SPS 3343 ED-CFCS 3(3,0)
Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammar as applied to rhetoric in standard Spanish for native speakers only. Occasional.

SPS 3344 ED-CFCS 3(3,0)
Advanced Spanish Native Fluency I: PR: SPN 3300 or C.R. Advanced grammatical topics and composition skills for native or near native fluency speakers. Fall.

SPS 3345 ED-CFCS 3(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.

SPS 3402 ED-EHS 3(3,0)
Practice in Modern Spanish Grammar: PR: SPN 2241 or SPN 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPS 3420 ED-EHS 3(3,0)
Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPS 3512 ED-EHS 3(3,0)
Contemporary Spanish Culture Abroad: PR: SPN 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPS 3760 ED-EHS 3(3,0)
Advanced Spanish Oral Communication: PR: SPN 2201 or SPN 2240 or equivalent. Vocabulary building with systematic training in diction and pronunciation. Spech and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPS 3850 ED-EHS 3(3,0)

SPS 3852 ED-EHS 3(3,0)
UCF Courses and Descriptions

SPN 3933 CAH-LANG 3(1,0)
Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR/concurrent enrolment in a designated course. Improvement of skills in Spanish within the student's major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0)

SPN 4410 CAH-LANG 3(3,0)
Advanced Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, psychology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0)
Advanced Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. A study of Spanish civilization and culture from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. An overview of the currents in Latin American culture and civilization from the Pre-Columbian period to the present. Conducted in Spanish. Occasional.

SPN 4780 CAH-LANG 3(3,0)
Spanish Phonetics: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Students will learn the basic principles of Spanish pronunciation and perfect the correct pronunciation of Spanish through intensive practice and oral drill. Occasional.

SPN 4800 CAH-LANG 3(3,0)
Spanish-American Syntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. The course examines the Spanish language from its beginning to the present, with special emphasis as it is written and spoken in Latin America and the U.S. Occasional.

SPN 4801 CAH-LANG 3(3,0)
Spanish Morphology: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language, as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. Occasional.

SPN 5502 CAH-LANG 3(3,0)
Hispanic Culture of the United States: PR: Graduate status or senior standing or C.I. An analysis of the Hispanic culture of the United States, past and present. Occasional.

SPN 5505 CAH-LANG 3(3,0)
Spanish Peninsular Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

SPN 5506 CAH-LANG 3(3,0)
Spanish American Culture and Civilization: PR: Graduate status or senior standing or C.I. An analysis of the salient characteristics of Spanish American culture and civilization. Occasional.

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 Language: PR: Graduate status or senior standing or C.I. Participants will enhance their knowledge of the language and culture of Spanish-speaking peoples and develop further proficiency in listening, comprehension, speaking, reading, and writing. Occasional.

SPS 5177 ED-CFCS 3(3,0)
Enhancing Individual and Student IQ: PR: Graduate standing or C.I. Students will understand IQ malleability and methods of enhancing IQ. Students will analyze acquisition of knowledge gained from methods of scientific inquiry regarding individual differences. Even Spring.

SPT 3800 CAH-LANG 3(3,0)
Spanish Translation and Interpretation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

SPT 3805 CAH-LANG 3(3,0)
Spanish Translation and Interpretation for Mass Communication: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

SPT 3809 CAH-LANG 3(3,0)
Medical Spanish Translation/Interpretation: PR: Any 2000 or 3000 level course, or C.I. The Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

SPT 3831 CAH-LANG 3(3,0)
Spanish Legal Translation and Interpretation: PR: SPN 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.

SPT 4801 CAH-LANG 3(3,0)

SPW 3100H 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.

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 from the colonial period to Nineteenth Century Romanticism. Fall.

SPW 3131 CAH-LANG 3(3,0)
Survey of Latin-American Literature II: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to Modernism. 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 3321 CAH-LANG 3(3,0)

SPW 3370 CAH-LANG 3(3,0)

SPW 4272 CAH-LANG 3(3,0)
20th Century Spanish Novel: PR: SPW 3101 or SPW 3131. C.I. Major works by the leading authors of the 20th century. Texts selected not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.

SPW 4310 CAH-LANG 3(3,0)

SPW 4322 CAH-LANG 3(3,0)
Contemporary Iberian 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: SPN 3100 or SPN 3130 or SPN 3310 or SPN 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: SPN 3100 or SPN 3130 or C.I. 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 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. Covers the different literary periods within Central America literary history. Taught in Spanish. Occasional.

SPW 4450 CAH-LANG 3(3,0)
Spanish Literary Theory: PR: SPW 3100 and SPW 3101, or SPW 3130 and SPW 3313, or C.I. A study of textual criticism with emphasis in the theory of genre. Occasional.

SPW 4460 CAH-LANG 3(3,0)
Nineteenth Century Spanish Literature: PR: SPN 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: SPN 3100 or C.I. Don Quixote. Occasional.
UCF Courses and Descriptions

SPW 4720 CAH-LANG 3(3.0)
The Generation of 1898: PR: SPW 3101 or C.I. A study of the generation’s main authors and their works. Occasional.

SPW 4730 CAH-LANG 3(3.0)
Hispanic Literature of the United States: PR: SPW 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 3131 or C.I. An analysis and discussion of representative contemporary work of authors who have included the black character as part of their narrative. Occasional.

SPW 4773 CAH-LANG 3(3.0)
Puerto Rican Literature: PR: SPW 3100 and SPW 3131 and SPW 3132 or SPW 3132 or C.I. Puerto Rican literature from XIX Century to present. Conducted in Spanish. Occasional.

SPW 5741 CAH-LANG 3(3.0)
Contemporary Spanish American Southern Literature: PR: Spanish or C.I. Explores the intersection of theory and practice in modern, literary, and cultural studies in the southern cone literature. Occasional.

SPW 5795 CAH-LANG 3(3.0)
Jewish Culture in Latin America: PR: Spanish, M.A. program or graduate student proficient in Spanish. History of Jewish culture in Latin America. Study of Latin American Jewish authors and literature. Will be taught in Spanish, including all readings. Occasional.

SSE 3312 ED-TL&L 3(3.0)
Teaching Social Science in the Elementary School: PR: EDG 4410 or C.I. Selected topics, problems, and concepts: organizing for instruction; techniques; evaluation procedures. Fall, Spring.

SSE 4361 ED-TL&L 3(3.0)

SSE 4936 ED-TL&L 3(3.0)
Programs in Teaching Social Science: PR: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. Fall.

SSE 5391 ED-TL&L 3(3.0)
Global Education: Theory and Practice: PR: Graduate standing or C.I. Examines the theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

SSE 5776 ED-TL&L 3(3.0)
Democracy and Education: PR: Graduate standing or C.I. Explores the interaction of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

SSE 5790 ED-TL&L 3(3.0)
Inquiry and Instructional Analysis in Social Science Education: PR: EDG 6415 or admission to Teacher Leadership MEd program or Initial Teacher Preparation certification. Study of instructional programs in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

STA 1063C COS-STAT 3(2.5)
Basic Statistics Using Microsoft Excel: PR: STA 2023 or C.I. Measurement of descriptive statistics: single variables, graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

STA 2014C COS-STAT 3(2.5)
Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, and statistical inference. The “NC” grading policy applies to this course. Fall, Spring.

STA 2023 COS-STAT 3(3.0)
Statistical Methods I: PR: MAC 1105C or MAC 1147. First courses introduce probability and statistical inference, including: statistical notation; sampling and sampling distributions; binomial and normal distributions, sample size. Fall, Spring.

STA 2023H COS-STAT 3(3.0)
Honors Statistical Methods I: PR: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

STA 3032 ECS-EMS 3(3.0)
Probability and Statistics for Engineers: PR: MAC 2312 or a grade of “C” (2.0) or better. An introduction to probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; binomial and normal distributions, sample size. Fall, Spring.

STA 3032H ECS-EMS 3(3.0)
Honors Probability and Statistics for Engineers: PR: MAC 2312 with a grade of “C” (2.0) or better and honors standing. Fundamental probability and statistical principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3096 COS-STAT 3(3.0)

STA 4102 COS-STAT 3(3.0)
Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

STA 4130 COS-STAT 3(3.0)
Life Contingencies I: PR: STA 4183 (or old number STA 3183). Economics of insurance, utility theory, single premiums for insurance and annuities in both discrete and continuous cases. 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 2014C or STA 3096. Measurement of 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. Assumptions of derivative pricing, put-call parity, binomial pricing, market making, delta hedging, exotic options, distributions, Monte Carlo distributions, Brownian motion, interest rate models. Spring.

STA 4222 COS-STAT 3(3.0)

STA 4321 COS-STAT 3(3.0)
Statistical Theory I: PR: STA 2023 or STA 3032, PR: STA 2023 or C.I. Explores the intersection of theory and practice in social science. Culminating, the term “nonparametric” will be defined, and all the assumptions of normality and distributional forms. Fall.

STA 4452 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 4674 COS-STAT 3(3.0)

STA 4852 COS-STAT 3(3.0)

STA 5045 COS-COMM 3(3.0)
Statistical Analysis of Communication Data: PR: STA 2023 or C.I. Descriptive statistics, correlation, bivariate, multiple, and logistic regression; reliability and validity; effect size, power, confidence intervals; one and two sample tests; ANOVA; categorical data analysis. Fall, Spring.
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<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>SYO 4300</td>
<td>COS-SOC</td>
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<td>Patterns of Popular Music in Society</td>
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<td>CAH-THEA</td>
<td>Introduction to UCF Theatre</td>
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UCF Courses and Descriptions

THE 2090L CAH-THEA 1(0,VAR) Theatre Participation-Management I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 2305 CAH-THEA 3(3,0) Script Analysis for Theatre: PR: Theatre major. Exploration of dramatic form with focus on playscripts for productions. Fall, Spring.

THE 2925L CAH-THEA VAR(0,VAR) Theatre Participation: PR: Theatre Major, Theatre Minor or Dance Minor. Participation in UCF Theatre productions. Graded S/U. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 3006 CAH-THEA 3(3,0) Greece to Grease: Development of Western Theatre from Ancient Greece to today. Consent of Honors. Development of Western Theatre from Ancient Greece to today. Occasional.


THE 3082 CAH-THEA 3(3,0) Theatre Careers: PR: B.A. Theatre major or minor. Sophomore standing, and "C (2.0) or better in THE 2081C. 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 3250 CAH-THEA 3(3,0) Sex, Drugs, & the Rock and Roll Musical: PR: ENC 1102. Overview of the Rock & Roll musical theatre genre including culture and development. Occasional.


THE 3311 CAH-THEA 3(3,0) Theatre History and Dramatic Literature I: PR: Theatre major, "C (2.0) or better in THE 2305 or Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall, Spring.

THE 3312 CAH-THEA 3(3,0) Theatre History and Dramatic Literature II: PR: Theatre major, "C (2.0) or better in THE 3311, THE 2305 and Sophomore standing. Theatre history and drama from French neo-classicism to modern realism. Fall, Spring.

THE 3313 CAH-THEA 3(3,0) Shakespeare Skills: PR: Grade of "C (2.0) or better in THE 2081C. Study of Shakespeare's heightened language, scansion, and text from a theatrical point of view. Course not intended for BFA Theatre Acting Majors. Occasional.

THE 3333 CAH-THEA 3(3,0) Taboo Theatre: Sex & Violence on Stage: PR: ENC 1102. Art with taboo topics and their impact on the storytelling and entertainments of today. Occasional.

THE 4039L CAH-THEA 1(0,VAR) Theatre Participation-Management II: PR: Theatre major or minor; "C (2.0) or better in THE 2090L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.

THE 4212 CAH-THEA 3(3,0) Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.

THE 4230 CAH-THEA 3(3,0) Cultural Diversity in Theater: PR: "C (2.0) or better in ENC 1101 or ANT 2000. Commonality of human experience among various cultural groups through the study of dramatic literature. Occasional.

THE 4244 CAH-THEA 3(3,0) Musical Theatre History I: PR: B.F.A. Musical Theatre major, "C (2.0) or better required in THE 2001C. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.

THE 4245 CAH-THEA 3(3,0) Musical Theatre History II: PR: B.F.A. Musical Theatre major, "C (2.0) or better required in THE 4244. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.

THE 4284 CAH-THEA 3(3,0) Period Costume, Architecture, and Decor: PR: "C (2.0) or better in TPA 2000C and THE 3311. Costumes, furniture and decor from antiquity to the High Renaissance. Fall. Occasional.


THE 4423 CAH-THEA 3(3,0) Women in Theatre: PR: Grade of C (2.0) or better in ENC 1101. An overview of women's contributions to theatre. Occasional.


THE 4954 CAH-THEA 0(0,0) Theatre Exit Critique: PR: Theatre Major; Senior Standing. Completion of departmental exit critique. Graded S/U. Fall, Spring.


THE 5215 CAH-THEA 3(3,0) Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries. Occasional.

THE 5237 CAH-THEA 3(3,0) Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience among various groups through the study of dramatic literature. Occasional.

THE 5248 CAH-THEA 3(3,0) Musical Theatre History in Theatre: PR: Admission to MFA Musical Theatre Program. A chronological study of musical theatre from early Viennese operetta to the musicals of the present day. Course will emphasize the work of composers, librettists, and lyricists as well as representative masterworks of a variety of genre. Emphasis will be placed upon historical trends and theatrical viability. Fall.

THE 5288 CAH-THEA 3(3,0) Period Costumes, Architecture and Decor: PR: Admission into Theatre MFA Design track. Costumes, architecture and decor from antiquity to the Renaissance. Fall.


THE 5385 CAH-THEA 3(3,0) Dramatic Literature for Children: PR: Admission to MFA graduate program or C.I. An in-depth study of the growth and development of dramatic literature for children. Even Fall.

THE 5425 CAH-THEA 3(3,0) Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women's contributions to theatre. Occasional.


THE 5910 CAH-THEA 3(3,0) Research Methods in Theatre: PR: B.F.A and M.A in Theatre. Practice, skills and techniques needed by students to conduct research to include organization, styles, footnotes, and bibliographic forms. Fall.

THE 5945L CAH-THEA 10(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 5946L CAH-THEA 10(2,0) Theatre Practicum II: PR: Admission into the graduate program, Theatre Practicum I. A laboratory course designed to further develop students' practical working knowledge in theatre. Occasional.

TPA 2000C CAH-THEA 3(2,2) Theatre Design Basics: PR: B.F.A Design and Technology or Stage Management major, "C (2.0) or better required in THE 2020. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. Fall.

TPA 2010C CAH-THEA 3(2,2) Scenography: PR: "C (2.0) or better in TPA 2000C and B.F.A Design and Technology or Stage Management major. Introduction to design for theatre, including scenery, lighting, costumes and sound. Occasional.

TPA 2071C CAH-THEA 3(2,2) Theatre Rendering: PR: "C (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.

TPA 2170C CAH-THEA 2(2,2) Introduction to Theatre Production Documentation: PR: CGS 1000C. Presentation of information necessary to document design and production process. Spring.

TPA 2200 CAH-THEA 3(2,0) Introduction to Technical Theatre: PR: B.A. Theatre, B.F.A. Musical Theatre/Acting major or Theatre minor, "C (2.0) or better in THE 2020. Development, theory and practice of all areas of technical theatre production. Fall, Spring.

TPA 2200L CAH-THEA 1(0,6) Intro to Technical Theatre Lab: PR: or CR: TPA 3311. Projects in scenic construction. Fall, Spring. M&S fee $45.00.

TPA 2210 CAH-THEA 3(3,0) Stagecraft I: PR: BFA DesignTech or Stage Management, CR: TPA 2210L. Development, theory, and practice of technical theatre production. Fall. 

UNIVERSITY OF CENTRAL FLORIDA
TPA 2230C CAH-THEA 3(2,2)
Costume Construction: PR: BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of costume garments. Fall, Spring. M&S fee $22.00

TPA 2248C CAH-THEA 2(2,2)
Technical Theatre: PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. Fall, Spring. M&S fee $17.00

TPA 2290L CAH-THEA 1(0,VAR)
Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $47.00

TPA 2600 CAH-THEA 3(3,0)
Stage Management Basics: PR: "C" (2.0) or better in THE 2081C and BFA Design and Technology or Stage Management major. Functions and responsibilities of professional stage managers. Occasional.

TPA 3045C CAH-THEA 3(2,2)
Costume Design for Theatre I: PR: BFA Stage Management or Design & Technology major and "C" (2.0) or better in THE 2305, TPA 2000C, and TPA 2071C. Projects in the fundamentals of costume design for the stage. Fall.

TPA 3060C CAH-THEA 3(2,2)
Scenic Design for Theatre I: PR: BFA Stage Management or Design and Technology major and "C" (2.0) or better in THE 2305, TPA 2000C, TPA 2071C, and TPA 2425C. Projects in the fundamentals of scenic design for the stage. Fall. M&S fee $37.00

TPA 3070L 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 $70.00

TPA 3172 CAH-THEA 3(3,0)
Flash, Bash, and Splash: Concerts, Wrestling, & Circus: PR: THE 2000 or THE 2081C or MUL 2010 or ENC 1102 or ARH 2051. Components of large-scale entertainment extravaganzas including but not limited to designers, technical developments, documentation, concepts, and venues. Occasional.

TPA 3195L CAH-THEA 3(0,VAR)
Summer Theatre Studio/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/Design II: PR: Departmental consent by audition or interview. Continuation of TPA 3195L. May be repeated for credit. Occasional. M&S fee $20.00

TPA 3223C CAH-THEA 3(2,2)
Lighting Design for Theatre I: PR: BFA Stage Management or Design and Technology major and "C" (2.0) or better in THE 2305, TPA 2220C, TPA 2000C, and TPA 2425C. Projects in the fundamentals of lighting design for the stage. Spring. M&S fee $61.00

TPA 3249C CAH-THEA 2(2,2)
Advanced Makeup Techniques: PR: "C" (2.0) or better in TPA 2249C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics and masks. Occasional. M&S fee $70.00

TPA 3265C CAH-THEA 3(2,2)
Sound Design for Theatre I: PR: BFA Stage Management or Design Technology major and "C" (2.0) or better in THE 2081C, TPA 2220C, TPA 2000C, and TPA 2425C. Projects in the fundamentals of sound design for the stage. Spring.

TPA 3383C CAH-THEA 2(2,4)
Topics in Technical Theatre: PR: TPA 2230C. Techniques used in the production of scenery or costumes for the stage. Variable Topics. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $35.00

TPA 3601 CAH-THEA 3(3,0)
Stage Management: PR: "C" (2.0) or better in TPA 2000C. Responsibilities of the stage manager prior to, during, and after performance as related to Departmental productions as well as professional union requirements. Fall.

TPA 4066C CAH-THEA 3(2,2)
Advanced Scenography: PR: "C" (2.0) or better in TPA 3060C. TPA 3220C. 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 4250C CAH-THEA 2(2,2)
CADD for Theatre: PR: Design and Technology or Stage Management major. "C" (2.0) or better in THE 2081C. Computer-aided drafting and design and its application for Theatre. Occasional. M&S fee $23.00

TPA 4251C CAH-THEA 3(2,2)
Advanced CADD for Theatre: PR: "C" (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&S fee $43.00

TPA 4298L CAH-THEA 1(0,VAR)
Theatre Participation-Production II: PR: "C" (2.0) or better in TPA 2290L. Participation in UCF Theatre Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $47.00

TPA 4384C CAH-THEA 3(3,4)
Advanced Topics in Technical Theatre: PR: "C" (2.0) in TPA 2210 and TPA 2211. Variable topics which may include Technical Direction or other advanced topics. May be used in the degree program a maximum of 4 times. Occasional. M&S fee $35.00

TPA 4400 CAH-THEA 3(3,0)
Theatre Management: PR: "C" (2.0) or better in THE 2020 and Junior standing. 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 or 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, "C" (2.0) 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.
UCF Courses and Descriptions

TPP 2100L CAH-THEA (10,VAR)
**Theatre Participation-Performance I:** PR: Theatre major or minor or department consent. Participation in UCF Theatre productions. May be repeated for credit. Fall, Spring. M&S fee $48.00

TPP 2700C CAH-THEA (3,2,2)
**Stage Speech/Voice:** PR: BA Theatre major or minor and "C" (2.0) or better in THE 2020. Practical stage voice as it applies to performance. Credit cannot be applied towards BFA acting and musical theatre majors. Spring.

TPP 2710C CAH-THEA (2,1)
**Voice Production I:** PR: BFA acting major. Leissac, Skinner, phonetics, and the vocal apparatus. Fall.

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 3173C CAH-THEA (3,2,2)
**Acting III - Building the Character:** PR: Grade of C (2.0) or better required in TPP 2710C. Reinforcement of acting techniques begun in Acting I, with emphasis on characterization and character development. Spring.

TPP 3197L 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 3251 CAH-THEA (3,2,2)
**Musical Theatre Acting I:** PR: B.F.A. Musical Theatre major, and C (2.0) or better required in TPP 2101C. Practical acting techniques with solo musical theatre repertoire. Fall.

TPP 3252 CAH-THEA (3,3,0)
**Musical Theatre Acting II:** PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3251. Practical acting techniques as they apply to musical theatre scene study. Spring.

TPP 3263C CAH-THEA (3,0,VAR)
**Acting on Camera I:** PR: BA Theatre major; "C" (2.0) or better in TPP 2710C. Casting, character development, and performance for 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 required in THE 3312. Principles and techniques of play direction to include script selection, directorial analysis, casting, compositions/ picturization, blocking, tempo, and rehearsal planning. Fall, Spring.

TPP 3510C CAH-THEA (2,1)
**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 II:** PR: "C (2.0) or better in TPP 2710C. Reinforcing stage voice awareness introduced in TPP 2710C, focusing on a physical approach to acting texts. Spring.

TPP 3712C CAH-THEA (2,1)
**Voice Production III:** 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/ Interview or 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 3713C. 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 3713C or TPP 4140C. An advanced and comprehensive view of acting styles. Occasional.

TPP 4193L CAH-THEA (1,0,VAR)
**Theatre Participation-Performance II:** PR: Theatre major or minor and "C (2.0) or better in TPP 3711C. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $48.00

TPP 4221 CAH-THEA (3,0,3)
**Auditioning:** PR: "C (2.0) or better in TPP 3710C. Selecting monologues, auditioning techniques and cold readings. Spring.

TPP 4223C CAH-THEA (3,2,2)
**Theatre Careers for Performance:** PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Fall.

TPP 4234C CAH-THEA (2,2)
**Circus Arts:** PR: Theatre major or minor; "C (2.0) or better in TPP 2101, TPP 2110C and THE 2081C or THE 2000. 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, TPP 2185, 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 "C (2.0) or better in TPP 3711C and TPP 3256C. Advanced work in cabaret/one-person construction and performance with an emphasis on show preparation. Occasional.

TPP 4259C CAH-THEA (2,2)
**Musical Theatre Voice I:** 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)
**Camera Acting:** PR: "C (2.0) or better in TPP 4142C. Application of previous acting training to the TV/Film medium. Fall, Spring.

TPP 4270C CAH-THEA (2,2,2)
**Music Theatre Voice I:** PR: "C (2.0) or better in TPP 4923C. Advanced 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.

TPP 4923C CAH-THEA (2,2,2)
**Music Theatre Voice IV:** PR: "C (2.0) or better in TPP 4259C. 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.

TPP 5156C CAH-THEA (3,2,2)
**Musical Theatre Voice III:** PR: B.F.A. Musical Theatre major, and Junior Standing and subject to Departmental approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. Fall, Spring.

TPP 5125C CAH-THEA (2,2)
**Improvisation Studio:** PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA (3,2,2)
**Acting Studio II:** PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of Shakespeare and others. Optional credit. Spring.

TPP 5246C CAH-THEA (2,2,2)
**Circus Arts:** PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA (2,2,2)
**Storytelling as a Theatrical Art Form:** PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA (2,2,0)
**Musical Theatre Acting:** PR: TPP 5157C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography, emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5278C CAH-THEA (1,1,1)
**Musical Theatre Lab:** PR: TPP 5157C. Practical course in developing musical theatre skills for the actor. Spring.

TPP 5289C CAH-THEA (2,2,3)
**Acting Methodologies:** PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

TPP 5386C CAH-THEA (3,3,2)
**Directing for Young Audiences:** PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences. Odd Spring.
TPP 5515 CAH-THEA 2(2.0) Movement Studio I: PR: Admission to MFA Performance Program. Graduate level course in principles and methods of movement for the stage focusing on relaxation, centering, increased physical control, and physical development of a character. Fall.

TPP 5516C CAH-THEA 2(2.1) Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on specific knowledge and skills in period styles of movement and basic unarmed combat. Spring.

TPP 5554C CAH-THEA 2(2.4) Musical Theatre Dance I: PR: MFA Musical Theatre Majors. Advanced dance study with particular emphasis on the development of principles of alignment, coordination, isolation, and sequencing. Fall.

TPP 5555C CAH-THEA 2(2.4) Musical Theatre Dance II: PR: TPP 5554C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2.1) Stage Voice I: PR: Admission to MFA performance program. An introduction/review class examining the fundamentals of speaking on stage: the correct production of sound, relaxation of physical tension, and articulation Fall.

TPP 5716C CAH-THEA 2(2.1) Stage Voice II: PR: Admission to the MFA Performance program and TPP 5715C or C.I. Continuation of Graduate Voice Production I, studying Skinner’s narrow transcription with consonants, retention of all Linklater work, and introduction to the work of Arthur Lessac. Spring.

TPP 5754 CAH-THEA 2(2.0) Musical Theatre Voice I: PR: Admission to MFA Musical Theatre program. Voice study devoted to the diagnosis and development of the singing voice and its application to the performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2.2) Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(3.0) English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TL&L 3(3.0) Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL). ESOL curriculum and materials, cross-cultural understanding, applied linguistics in second language teaching, and test and evaluation of ESL. Fall, Spring.


TSL 4363 ED-TL&L 3(3.0) ESL Classroom Experiences: PR: TSL 3345 (B- or better). Practical instruction and experiences for future teachers of English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 4942 ED-TL&L 3(3.0) ESL Field Experience: PR: TSL 4080. Practical application of research and theory on teaching and assessing academic subjects to second language (L2) learners in grades Pre-K-12. Fall, Spring.


TSL 4945 ED-TL&L 3(3.0) ESOL Clinical Experience: PR: TSL 4942 and TSL 4943. Practical application of research and theory on teaching and assessing academic language and disciplinary literacy for second language (L2) learners in grades Pre-K-12. Fall, Spring.

TSL 5085 ED-TL&L 3(3.0) Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL, curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG 3(3.0) ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will explore cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of Limited English proficient students. Occasional.

TSL 5345 ED-TL&L 3(3.0) Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LANG 3(3.0) Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 ED-TL&L 3(3.0) Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasis on computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5525 ED-TL&L 3(3.0) ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.


TSL 5940 CAH-LANG 3(3.0) Issues in TEFL: PR: Graduate status or senior standing or C.I. Issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 3810 ECS-Cece 3(3.0) Highway Engineering: PR: STA 3032 with a grade of "C" (2.0) or better. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.

TTE 4274 ECS-Cece 3(3.0) Transportation Engineering Systems: PR: TTE 3810 with a grade of "C" (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4601C ECS-Cece 3(2.2) Urban Systems Design: PR: TTE 3810 with a grade of "C" (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out alternative routes, designing of alignments/intersections. Occasional. M&S fee $25.00

TTE 5204 ECS-Cece 3(3.0) Traffic Engineering: PR: TTE 3810 or C.I. Study of speed, volume and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5805 ECS-Cece 3(3.0) Geometric Design of Transportation Systems: PR: TTE 3810 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-Cece 3(3.0) Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.

VIC 3001 COS-COMM 3(3.0) Power Branding: PR: Ad/PR majors only; MMC 3630, ADV 4101, and MMC 3420, or C.I. The importance of brand equity as well as how to build, measure, and manage brand equity. Fall, Spring.

WOH 2012 CAH-HIST 3(3.0) World Civilization I: PR: Permission of Honors. Study of the rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Fall, Spring.

WOH 2012H CAH-HIST 3(3.0) Honors World Civilization I: PR: Permission of Honors. Study of the rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.

WOH 2022 CAH-HIST 3(3.0) World Civilization II: PR: Permission of Honors. Study of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2022H CAH-HIST 3(3.0) Honors World Civilization II: PR: Permission of Honors. Study of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WOH 4272 CAH-HIST 3(3.0) Age of Atlantic Revolutions 1763-1826: PR: AHST 2010 or C.I. 18th century Europe, American and French Revolutions. Occasional.

WST 3015 CAH-WOM 3(3.0) Introduction to Women’s Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.

WST 3015H CAH-WOM 3(3.0) Honors Introduction to Women’s Studies: PR: ENC 1102 and Consent of Honors. Focus on women and gender in a transnational context. With Honors content. Even Spring.

WST 3020 CAH-WOM 3(3.0) Girls’ Studies: PR: ENC 1102. Girls‘ Studies, an interdisciplinary field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371 CAH-WOM 3(3.0) Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles facing women leaders, and learning from women leaders. Occasional.

WST 3460 CAH-WOM 3(3.0) Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.
UCF Courses and Descriptions

WST 3460H CAH-WOM 3(3,0)

WST 3500 CAH-WOM 3(3,0)
Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WST 3522 CAH-WOM 3(3,0)
First and Second Wave Feminisms: PR: ENC 1102. History of Western feminism thought from the late eighteenth century to the 1990's, through texts by First and Second Wave Feminists. Occasional.

WST 3561 CAH-WOM 3(3,0)
Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 3603 CAH-WOM 3(3,0)
Introduction to Gender Studies: PR: ENC 1101. Historical, theoretical foundations of gender, sexuality, and intersectional theories with attention to fluidity of identities and diversity of experiences. Even Fall.

WST 3621 CAH-WOM 3(3,0)
Theories of Masculinity: PR: ENC 1102. Masculinity from feministic and biological perspectives exploring socially constructed ideas of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 3(3,0)

WST 4021 CAH-WOM 3(3,0)

WST 4022 CAH-WOM 3(3,0)

WST 4023 CAH-WOM 3(3,0)

WST 4349 CAH-WOM 3(3,0)

WST 4415 CAH-WOM 3(3,0)

WST 5347 CAH-WOM 3(3,0)
Research in Women and Gender Studies: PR: Graduate standing or senior standing, or C.I. To explore feminist research methodologies and investigate relationships among feminist theory, research, social change, and gender equality as experienced at the workplace in private, public and non-profit spheres. Even Fall.

WST 5601 CAH-WOM 3(3,0)
Theories in Gender Studies: PR: Graduate standing. Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.
ZOO 5745C  COM-BSBS  4(3,3)
Essentials of Neuroanatomy: PR: Human/Comparative Anatomy, or Human/Animal Physiology or C.I.
Fundamental concepts of both morphological and functional organization of the nervous system. Primary emphasis on human structure. Occasional. M&S fee $15.00

ZOO 5748C  COM-BSBS  5(3,2)
Clinical Neuroanatomy: 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.

ZOO 5749C  COM-BSBS  5(3,2)
Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4743C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.
BECKER, LYNN, Assistant Dean Undergraduate Programs (1996), B.S., M.B.A., E.D.D. (University of Central Florida)

BECKMAN, JAMES A, Associate Professor and Department Chair of Legal Studies (2011), B.A., J.D., LL.M. (Georgetown University)

BEDWELL, JEFFREY, Associate Professor of Psychology (2010), B.S., M.S. Ph.D. (University of Georgia)

BEH, SHAZIA, Assistant Professor of Rheumatology (2011), M.D. (State University of New York)

BEHAL, AMAN, Professor of Psychology, Secondary Joint Appointment (2001), M.S., M.A., Ph.D. (Florida Institute of Technology)

BEHZADAN, AMIR, Professor of Electrical and Computer Engineering (2004), B.S., M.E., Ph.D. (Clemson University)

BEHJADAN, AMIR, Assistant Professor of Civil, Environmental, and Construction Engineering (2009), B.E., M.Eng., Ph.D. (University of Michigan)

BEJEL, DEBORAH C, Professor of Psychology, Secondary Joint Appointment of College of Medicine, and University Programs Professor (2007), M.S., M.Ed., Ph.D. (University of Pittsburgh)


BEILER, ROSALIND J., Associate Professor of Political Science (1994), B.A., Ph.D. (University of Pennsylvania)

BEL, KATHLEEN, Associate Professor of Writing & Rhetoric (1991), B.S., M.Ed., Ph.D. (Arizona State University)

BELLEW, CHRISTINE, Assistant Professor of Pediatrics (2011), M.D. (University of South Florida)

BELLEW, B.W., MICHAEL, Assistant Professor of Neurosurgery (2012), M.D. (University of South Florida)

BENSON, CYNTHIA, instructor of Political Science (1985), B.A., M.A. (Ohio University)

BERMAN, STEPHEN, Professor of Psychology (2010), Ph.D. (Florida International University), M.D. (University of Illinois)

BERMAN, STEVEN L., Associate Professor of Psychology (2001), M.S., M.A., Ph.D. (Florida International University)

BERMEZ, MICHAEL, Clinical Assistant Professor of Psychology (2013), M.S.W., Ph.D. (University of Central Florida)

BHANUSALI, NEHA, Galloway Associate Professor of Marketing (2011), B.E., M.B.A., Ph.D. (University of Toronto)

BHATTACHARYA, ANIKET, Associate Professor of Physics (2000), Ph.D. (University of Maryland)

BHavsAR, RAhMEH, Lecturer of Mechanical and Aerospace Engineering (2011), M.S., Ph.D. (Queen's University)

BHIND, JEFFREY B., Lecturer of Physics (2002), B.S., M.S., Ph.D. (Polytechnic Institute of Brooklyn)


BISHOP, CORRINE G., Assistant Librarian (2008), B.A., M.L.I.S. (Florida State University)

BLACK, DAVID, Lecturer of Hospitality Management (2012), B.S., M.S., Ph.D. (Indiana University)

BLACKWELL, CHRISTOPHER, Associate Professor, College of Nursing (2004), C.N.E., B.S.N., M.S.N., Ph.D. (University of Central Florida)

BLENCKE, CARL, Instructor of Management (2009), A.A., M.B.A., E.D.D. (University of Central Florida)

BLESSING, LEWIS, Lecturer, College of Education & Human Performance (2005), B.S., M.S., Ed.S., Ph.D. (Curin University of Technology)


BOH, COREY, Assistant Professor of Psychology (2011), Ph.D. (University of Texas)

BOHLEN, PATRICK, Director of Landscape and Natural Resources and Aquatonomy and Professor of Biology (2010), B.S., M.S., Ph.D. (Ohio State University)

BOHM, ROBERT M., Professor of Criminal Justice (1995), A.B., M.A., Ph.D. (Florida State University)

BOLONI, LANDISLAU, Associate Professor of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D. (Purdue University)

BOOTE, DAVID N., Associate Professor, College of Education & Human Performance (2000), B.Ed., B.S., M.A. Ph.D. (Simon Fraser University, British Columbia, Canada)

BORDE, STEPHEN F., Associate Professor of Finance (1994), B.P.S., M.B.A., Ph.D. (Florida Atlantic University)

BORGON, ROBERT, Assistant Professor (2007), Ph.D. (University of Tennessee Health Science Center)

BOSSY-WETZEL, ELLA, Associate Professor (2007), Ph.D. (State University of New York)

BOTTORFF, TIMOTHY J., Head, Universal Orlando Foundation Library at Rosen and Assistant Librarian (2004), B.A., M.L.I.S. (University of Pittsburgh)

BOWDON, MELODY A., Director, Faculty Center for Teaching and Learning and Professor of Writing & Rhetoric (1989), B.A., M.A., Ph.D. (University of Arizona)

BOWERS, CLINT, Professor of Psychology (1994), B.S., M.A., Ph.D. (University of Georgia)

BOYD, BELINDA, Associate Professor of Theatre (2002), B.S., M.F.A. (University of Louisville)

BRASEL, NANCY, Associate Professor, College of Education & Human Performance (1999), B.S., M.Ed. (University of Central Florida)

BRUHN, BRADLEY M., Associate Professor of Economics (1986), B.S., M.A., Ph.D. (Tulane University)

BREIT, DONNA, Instructor, College of Engineering (2015), M.S.N., R.N. (University of Central Florida)

BREITER, DEBORAH, Professor of Convention and Conference Management and Professor of Hospitality Management (2000), B.A., M.P.S., Ph.D. (University of South Carolina)

BRENNAN, JOSEPH P., Associate Chair and Professor of Mathematics, Secondary Joint Professor of Nanoscience Technology Center, and Graduate Coordinator (2006), B.A., Ph.D. (University of Illinois at Urbana-Champaign)

BREWER, THOMAS, Professor, College of Education & Human Performance (1996), B.A., M.A., Ph.D. (Florida State University)

BRICE, ROANNE G., Director of Accreditation, Assessment, and Data Management, College of Education & Human Performance (2000), B.A., M.A., Ph.D. (University of Central Florida)

BRIDGE, CANDICE, Assistant Professor of Chemistry (2007), Ph.D. (University of Central Florida)

BRIDGES, STEPHEN, M.S., Ph.D. (Montana State University, in Plant Science)

BRITT, DANIEL, Assistant Professor of Aerospace Studies (2010), B.S., M.S., M.F.A. (University of Central Florida)

BROCE, ROANNE G., Director of Accreditation, Assessment, and Data Management, College of Education & Human Performance (2000), B.A., M.A., Ph.D. (University of Central Florida)

BROCK, DAVID, Professor of English (2006), B.A., M.A., Ph.D. (University of Central Florida)

BROCK, DAVID, Professor of English (2006), B.A., M.A., Ph.D. (University of Central Florida)

BROWN, TIMOTHY F., Associate Professor of Communication and Area Coordinator of Radio/Television (2005), B.A., M.A., Ph.D. (University of South Carolina)

BRUCKNER, THOMAS, Lecturer of Physics (2004), M.S., Ph.D. (Montana State University)

BUNNH, RYAN, Professor of Choral Activities and Professor of Music (1988), B.M.E., M.M., D.M.A. (University of Illinois)

BUSEY, ANGELINE A., Bert Fish Eminent Chair and Professor, College of Nursing (1995), F.A.A.N., M.N., Ph.D. (University of Texas)

BUTCHER, LONNY, Instructor of Management (2011), B.A., M.A. (Louisiana State University)

BUTLER, MALCOLM, Associate Professor, College of Education & Human Performance (2007), B.S., M.Ed., Ph.D. (University of Florida)

BUTLER, S. KENT, Associate Professor, College of Education & Human Performance (2007), B.A., M.A., Ph.D. (University of Connecticut)

BUYSSENS, RYAN, Assistant Professor of SVAD (2014), B.F.A., M.F.A. (Crabmon Academy of Art)
CONNER, NORMA, Assistant Professor, College of Nursing (2010), B.N., Ph.D. (Rutgers University)
CONSAILO, MARC, Lecturer of Legal Studies (2014), B.S., J.D. (University of Florida)
CONWAY, JONATHAN, Instructor of Communication (2014), B.S., M.A. (Ball State University)
COOK, IDA J., Associate Professor of Sociology (1976), B.A., M.S., Ph.D. (North Carolina State University)
COOK, KATHY S., Internship Coordinator and Associate Lecturer of Legal Studies (1983), B.A., J.D. (University of Florida)
COOMBS, W. TIMOTHY, Professor of Communication (2010), B.A., M.A., Ph.D. (Purdue University)
COONEY, JAMES, Assistant Librarian (2015), B.S., M.A., Ph.D. (Purdue University)
COOPER, LARRY, Lecturer of SVAD (2004), B.F.A., M.F.A. (University of Georgia)
CORONADO, KATIDIA, Instructor of Communication (2012), M.A. (Rollins College)
CORK, EDA M., Assistant Librarian (1999), B.A., M.L.S. (University of Puerto Rico)
CORTELLI, WARD, KENDALL, Associate Professor and Program Director in Health Management & Informatics (2007), B.S., M.S., Ph.D. (University of Central Florida)
CORZINE, JAY, Associate Professor and Program Director in Health Management & Informatics (2010), A.R.N.P., F.N.P.-B.C., Ph.D. (University of Central Florida)
CROES, ROBERTICO, Assistant Professor, College of Nursing (2015), B.S., M.A., Ph.D. (University of Kansas)
CROES, ROBERTICO, Chair, Department of Tourism, Events and Attractions, Professor of Hospitality Management (2002), B.A., M.A., Ph.D. (University Twente Netherlands)
CROFT, MAX, Research Associate, SVAD (2000), B.F.A. (Florida State University)
CROSSEL, CRAIG D., Assistant Professor of Management (2012), B.S., M.A., Ph.D. (Bowling Green University)
CSICA, ANNE MCDONALD, Professor, College of Education & Human Performance (2005), B.S., M.A., Ph.D. (University of Kansas)
CULBERTSON, REX, Professor, College of Education & Human Performance (2005), B.S., M.A., Ph.D. (University of Kansas)
DA VITORIA LOBO, NIELS, Professor of Electrical Engineering and Computer Science (1992), B.Sc., M.Sc., Ph.D. (University of Toronto)
DAHER, SAMIR P., Lecturer of Management (2011), B.A., M.B.A., Ph.D. (Ohio State University)
DAGLEY, MELISSA, Executive Director of STEM, COS/CECS (2001), Ed.D. (University of Central Florida)
DANDROW, EDWARD, Lecturer of History (2007), B.A., M.A. Ph.D. (University of Central Florida)
DANGIOLO, MARIANA, Assistant Professor of Family and Geriatric Medicine (2010), M.D. (University de Buenos Aires)
DANIELSSON, PER, Associate Professor of Music (2007), B.A., M.M. (University of South Florida)
DANKER, LISA, Assistant Professor of SVAD (2014), B.A., M.B.A., M.F.A. (University of Wisconsin-Milwaukee)
DAOGUDI, MOHAMMED, Instructor of Chemistry (2011), B.S., M.S. (University of Central Florida)
DARTY, AMY, Instructor of History (2004), B.A., M.A. (University of Central Florida)
DAS, TIRTHATANMOY, Professor of Economics (2007), B.Sc., M.Sc., Ph.D. (University of Central Florida)
DAS, TIRTHATANMOY, Assistant Professor of Economics (2014), B.Sc., M.Sc., Ph.D. (State University of New York at Binghamton)
DAS, TIRTHATANMOY, Assistant Professor of Mechanical and Aerospace Engineering (2011), B.Tech., M.S., Ph.D. (Michigan State University)
DAVEY, DIANE, Interim Chair of Clinical Sciences, Assistant Dean of Graduate Medical Education and Professor of Pathology (2007), M.D. (Washington University)
DAVIDSON, VICTOR, Professor (2011), Ph.D. (Texas Tech University)
DAVIDSON, VICTOR, Professor and Internship Director of Health Services Administration (2014), M.P.H., Ed.D. (University of North Carolina)
DAVIS, DONNA, Instructor, College of Nursing (2006), B.S.N., M.S.N. (University of Central Florida)
DECHEN, WILLIAM, Professor of Medicine (2015), Ph.D. (Harvard University), M.D. (University of Michigan)
DECHES, DAMIAN, Assistant Professor of Electrical Engineering and Computer Science (2010), B.S., M.S., Ph.D. (Texas A&M University)
DECKER, JONATHAN, Assistant Professor, College of Nursing (2010), A.R.N.P., F.N.P.-B.C., Ph.D. (University of Central Florida)
DELLERY, TODD, Research Associate (2006), B.A., M.A. (Stetson University)
DEGEORGE, LAURYN, Associate Instructor of Management (1996), B.S., M.B.A., E.D.D. (University of Central Florida)
DEL BARCO GONZALEZ GARCIA, ENRIQUE, Associate Professor of Physics (2006), Ph.D. (University of Barcelona, Spain)
DILFYTT JR., PETER, University Board of Trustee Chair, Professor of Optics and Professor of Electrical and Computer Engineering (1993), M.Phil., Ph.D. (The City University of NY)
DEMARIA, RONALD F., Professor of Electrical and Computer Engineering (2010), B.S., M.S., Ph.D. (University of Southern California), P.E. (California)
DEMOK, KRISTINA C., Assistant Professor of Accounting (2001), B.B.A., M.B.A., Ph.D. (University of Washington)
DENG, WEIWEI, Assistant Professor of Mechanical and Aerospace Engineering (2010), B.S., M.S., Ph.D. (University of Illinois)
DENG, WEIWEI, Assistant Professor of Mechanical and Aerospace Engineering (2010), B.S., M.S., Ph.D. (University of Washington)
DEO, NAROSINGH, Professor of Engineering and Computer Science, Holder of the Charles N. Millican Chair in Computer Science (1986), B.Sc., M.Sc., Ph.D. (Northwestern University)
DEPE, DENNIS G., Professor of Optics/FPCE Endowed Chair (2005), B.S., M.S., Ph.D. (University of Illinois)
DESARAJU, RAMARAO, Associate Professor of Marketing (1999), B.Tech, Ph.D. (University of Florida)
DESMARAIS, PAUL, Lecturer, College of Nursing (2003), M.S.N., Ph.D. (University of Massachusetts)
DEVER, KIMBERLY, Instructor, College of Nursing (2010), M.S.N., R.N.-B.C. (Duquesne University)
Drexler, Debora, Director, Health Sciences Library (2000), M.L.S. (Florida State University)
DICKIE, MARK T., Chair and Professor of Economics (2001), B.A., Ph.D. (University of Wisconsin)
DICKSON, DUNCAN, Assistant Professor of Hospitality Management (2001), B.A., M.S.P., Ed.D. (University of Central Florida)
DIEKER, LISA, Pegasus Professor of Hospitality Management and Lockheed Martin Eminent Scholar Chair, College of Education & Human Performance (2003), B.A., Ph.D. (University of Florida)
DIERCKSEN, CHRISTA, Lecturer of Biology (2012), Ph.D. (Boston University)
DILLMAN, TAYLOR, Assistant Professor, College of Education & Human Performance (2013), B.A., M.Ed. (University of North Texas)
DILLON, MARY, Instructor of Social Work (2013), B.L.S., M.S.W., Ed.D. (Nova Southeastern University)
DINAPOLI, JOSEPH, Associate Instructor of Communication Sciences and Disorders (2002), B.S., M.S., C.A.G.S. (Columbia University)
DIPBOYE, ROBERT L., Professor of Psychology (2004), B.A., M.S., Ph.D. (Purdue University)
DIXON, DONOVAN, Lecturer of Chemistry (2006), B.S., Ph.D. (University of the West Indies)
DIXON, JULI, Professor, College of Education & Human Performance (2000), B.A., M.S., Ph.D. (University of Florida)
DODD, MELISSA, Assistant Professor of Communication (2013), B.A., M.A., Ph.D. (University of Miami)
DOGARIU, ARISTIDE, Professor of Optics (1995), Ph.D. (Hokkaido University)
DOHERTY, WALTER, Multi-Year Assistant Professor, College of Education & Human Performance (2002), B.A., M.S., Ph.D. (State University of New York at Albany)
DOLAN, THOMAS, Assistant Professor of Political Science (2010), B.A., Ph.D. (Ohio State University)
DOMBROWSKI, MATTHEW, Assistant Professor of SVAD (2010), B.F.A., M.F.A. (University of Central Florida)
DONLEY, AMY, Assistant Professor of Sociology (2010), B.A., Ph.D. (University of Central Florida)
DORMAN, TERESA, Associate Dean, College of Sciences (1999), B.S., M.A., Ed.D. (University of Central Florida)
DOTSON, DENISE LEE, Assistant Librarian (2008), B.A., M.L.I.S. (University of South Florida)
DRAVES, KRISANN, Lecturer, College of Nursing (2006), A.R.N.P., M.S.N., D.N.P. (University of South Alabama)

DREILINGER, GILLIAN, Instructor and Clinical Educator of Communication Sciences and Disorders Clinic (1989), B.S., M.S. (Texas Tech University)

DUBREY, ARCHANA, Lecturer of Physics (2002), Ph.D. (Bhavanagur University)

DUCHARME, ALFRED, Assistant Dean, College of Engineering and Computer Science (2003), B.S., M.S., Ph.D. (University of Central Florida)

DUKE, JEFF, Lecturer, College of Education & Human Performance (2002), B.S., M.S. Ed. (Florida State University)

DUNLOP-PYLE, LORI L., Associate Instructor of Mathematics (1999), B.A., M.S. (University of Central Florida)

DUNN, MICHAEL E., Associate Professor of Psychology (1996), B.S., Ph.D. (University of South Florida)

DUNN, STACEY T., Associate Professor of Psychology (1996), B.S., M.S.W., Ph.D. (Florida State University)

DUPRAS, TOSHA L., Chair, Associate Professor of Anthropology, and Secondary Joint Associate Professor of Biology (1999), B.A., M.S., Ph.D. (McMaster University)

DUPUIS, MARTIN, Associate Professor of Political Science and Associate Dean of the Burnett Honors College. (2000), B.A., M.A., J.D., Ph.D. (University of Southern California)

DURANCEAU, STEVEN J., Associate Professor of Civil, Environmental, and Construction Engineering (2007), B.S., M.S., Ph.D. (University of Central Florida), P.E. (Florida)

DURHAM, BARBARA A., Associate Instructor of Accounting (2003), B.S., M.P.A. (Georgia State University)

DUSSEAU, MICHELLE, Instructor of Communication (2005), B.A., M.A. (Rollins College)

DUTKAY, DORIN, Associate Professor of Mathematics (2006), Ph.D. (University of Iowa)

DZIEGIELAWSKI, SOPHIA, Professor of Social Work and Military Coordinator (2010), B.A., M.S.W., Ph.D. (Florida State University)

EASTEP, MARY ANN, Associate Lecturer of Criminal Justice (1995), B.A., M.S., Ph.D. (Florida Atlantic University)

EASTES, RICHARD, Secondary Joint Appointment ECECS (2006), Ph.D. (John Hopkins University)

EDBERG, STEVEN, Associate Professor (2005), Ph.D. (Ohio State University)

EDISON, JOHN, Visiting Instructor of Electrical and Computer Engineering (2013), B.S., M.S. (University of Central Florida)

EDWARDS, BARRY, Lecturer of Political Science (2014), B.A., J.D., Ph.D. (University of Georgia)

EDWARDS, OLIVER W., Associate Professor, College of Education & Human Performance (2003), B.A., M.Ed., Ed.S., Ed.D., Ph.D. (University of Florida)

EFTHIMIOU, COSTAS, Associate Professor of Physics (2000), Ph.D. (Cornell University)

EHREN, BARBARA, Professor of Communication Sciences and Disorders (2007), B.A., M.S., Ed.D (Florida Atlantic University)

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FLICK, ROBERT G., Professor Emeritus of Humanities (1968), B.S., M.A., Ph.D. (University of Florida)

FORD, ROBERT C., Professor Emeritus, Management (1993), B.A., M.B.A., Ph.D. (Arizona State University)

FRANCIS, MADISON KE, Professor Emeritus, Sculpture (1996), B.F.A. (Cleveland Institute of Art)

FREDERICK, TERRY J., Professor Emeritus, Film and Digital Media, and Distinguished Service Professor of Computer Science (1975), B.S., M.S., Ph.D. (University of Wisconsin)

FRENO, ROBERT N., Professor Emeritus of Molecular Biology and Microbiology, and Associate Director of Burnett School of Biomedical Sciences (1970), Ph.D. (Texas A&M University)

GOMEZ, FERNANDO J., Professor of Electrical Engineering and Computer Science (1971), B.A., M.A., M.A., Ph.D. (Ohio State University)

GRIFFITH, HAROLD L., Professor Emeritus of Engineering Technology (1972), B.S., M.S. (Pennsylvania State University), P.E. (Florida)


HARMES, ALFRED G., Vice President Emeritus, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)

HARMEL, MICHAEL, Professor Emeritus of Chemistry (1970), B.S., M.S., Ph.D. (Ohio University)

HOSEN, DJEHANIE, Associate Professor Emerita of Economics (1977), B.A., M.A., Ph.D. (University of Arkansas)

HOSNI, YASSER A., Professor Emeritus of Industrial Engineering (1976), B.S.M.E., M.S., Ph.D. (University of Arkansas)

HUDDLESTON, THOMAS, JR, Vice President Emeritus for Marketing, Communications and Admissions (1993), B.S., M.S., Ed.D. (Oklahoma State University)

HUDDSON, PHYLLIS J., University Librarian Emerita (1972), B.A., M.S.L.S, (University of Illinois)

HYMES, MICHAEL C., Professor Emeritus and Director, College of Education & Human Performance (1971), B.S.Ed., M.Ed., Ph.D. (Kent State University)

JAMES, ROSIE WEBB, Professor Emerita, College of Education & Human Performance (1978), B.A., M.Ed., Ph.D. (University of Arizona)

JOHNSON, WILLIAM H., Professor Emeritus, College of Education & Human Performance (1988), B.S., M.Ed., Ph.D. (Kent State University)

JOHNSON, HALSEY R., Professor Emeritus of Management (1982), B.A., M.S., Ph.D. (Pennsylvania State University)

JUEG, FRANK E., Professor Emeritus of Chemistry (1968), B.S., Ph.D. (University of Arkansas)

KERSTEN, ROBERT D., Dean Emeritus and Emeritus Professor of Engineering (1998), B.S., M.S., Ph.D. (Northwestern University), P.E. (Florida, Arizona, and Oklahoma)

KLIEJ, JEAN C., Associate Professor Emerita, Nursing (1985), B.S.N., M.A., Ph.D. (New York University)

KOEVENIG, JAMES L., Professor Emeritus of Biology (1971), B.A., M.A., Ph.D. (University of Iowa)

KUHN, DAVID T., Professor Emeritus of Biology (1970), B.S., M.S., Ph.D. (Arizona State University)

KUO, SHIQU SAN, Professor Emeritus of Civil, Environmental, and Construction Engineering (1981), B.S., M.S., Ph.D. (Michigan State University), P.E. (Florida)

KYSILKA, MARCELLA L., Professor Emerita, College of Education & Human Performance (1969), B.S.Ed., M.Ed., Ph.D. (University of Texas)

LECKIE-REED, SHIRLEY A., Professor Emerita of History (1985), B.A., M.A., Ph.D. (University of Toledo)

LIEBERMAN, LESLIE, Professor Emerita, Anthropology (2001), B.A., M.A., Ph.D. (University of Connecticut)

LILIE, STUART A., Associate Professor Emeritus of Political Science (1972), B.A., Ph.D. (Johns Hopkins University)

MADSEN, BROOKS C., Professor Emeritus of Chemistry (1970), B.S., M.S., Ph.D. (Ohio University)

MALONE, LINDA C., Professor Emerita of Industrial Engineering (1979), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)

MATTHEWS, BRUCE E., Professor Emeritus of Engineering (1969), B.E.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)

MATTSON, GUY C., Professor Emeritus of Chemistry (1970), B.S., M.S., Ph.D. (University of Florida)

McGEE, WILLIAM W., Professor Emeritus of Forensic Science (1968), B.S., M.S., Ph.D. (University of Florida)

McELHON, WALDRON, Professor Emeritus of Engineering (2009), B.S., B.C.E., M.C.E., M.S. (Physics), M.S., (Env. Engr.), Ph.D. (Rensselaer Polytechnic Institute)

MILLER, ERNEST E., Professor Emeritus, College of Education & Human Performance (1968), B.S., M.S., Ed.D. (University of North Dakota)

MORGAN, BEN B., JR, Professor Emeritus of Psychology (1969), B.A., M.A., Ph.D. (University of Louisville)

MORSE, LUCY C., Associate Professor Emerita of Engineering Technology (1983), A.B. M.S., Ph.D. (University of Central Florida)

MOSHALL, J. MICHAEL, Professor Emeritus, Digital Media and Computer Science (1984), B.S., Ph.D. (Ohio State University) MUKHERJEE, AMAR, Professor Emeritus, Electrical Engineering and Computer Science (1979), B.S., M.S., Ph.D. (University of California, Los Angeles)

MULLIN, THOMAS A., Associate Professor Emeritus of Communication Sciences and Disorders (1972), B.A., M.S., Ph.D. (Syracuse University)

O'KEEFE, M. TIMOTHY, Professor Emeritus of Communication (1969), B.A., M.A., Ph.D. (University of California, Los Angeles)

OMANS, STUART E., Professor Emeritus of English (1969), B.A., M.A., Ph.D. (Northwestern University)

OSBORNE, JOHN A., Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Kansas State University)

OSTLE, BERNARD, Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)


PANOUSIS, PETER, Dean Emeritus, College of Sciences (2000), B.S. Ph.D. (Iowa State University)

PAUL, GORDON W., Professor Emeritus of Marketing (1977), B.S., M.B.A., Ph.D. (Michigan State University)

PAULEY, BRUCE F., Professor Emeritus of History (1971), B.A., M.A., Ph.D. (University of Rochester)

PAULAS, GEORGE E., Professor Emeritus, College of Education & Human Performance (1991), B.S., M.Ed., Ph.D. (University of South Carolina)

PET-ARMACOST, JULIA, Professor Emerita, Associate Dean for Planning and Knowledge Management, College of Medicine (1991), Ph.D. (Case Western Reserve University)

PHILLIPS, RONALD L., Professor Emeritus of Engineering and Mathematics (1972), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICKERING, ROY, Professor Emeritus, Music (1979), B.M.E. M.M. (Indiana University)

PLATT, JENNIFER C., Professor Emerita, College of Education & Human Performance (1985), B.S., M.S., Ed.D. (West Virginia University)

PRCITCHEK, ROBERT D., Professor Emeritus, Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PRYOR, ALBERT, Professor Emeritus of Communication (1972), B.S., M.A., Ph.D. (University of Michigan)

PYLE, RANSFORD C., Associate Professor Emeritus of Legal Studies (1976), B.A., M.A., J.D., Ph.D. (University of Florida)


ROHTER, FRANK D., Professor Emeritus, College of Education & Human Performance (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, Ernst & 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)

SCOTT, JR., DAVID F., Professor Emeritus of Finance (1962), B.S.B.A., M.B.A., Ph.D. (University of Florida)

SHERWOOD, HOWARD, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)

SHOFNER, JERRELL H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)

SILVFAST, WILLIAM, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)

SIGMUND, FRANCES B., Associate Professor Emerita of Nursing (1979), R.N., Ed.D. (Florida State University)

SMITH, HARRY W., JR, Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)

SNELSON, FRANKLIN F., JR, Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)

SOMERVILLE, PAUL N., Professor Emeritus of Statistics (1972), B.S., Ph.D. (University of North Carolina)

SOG, STEVEN E., Associate Professor Emeritus, College of Education & Human Performance (1976), B.S., M.S., Ph.D. (Florida State University)

SORENSEN, ALLYN M., Professor Emerita of Anthropology (1976), B.A., M.A., Ph.D. (University of Florida)

STEGEMAN, GEORGE A., Professor Emeritus of Optics (1980), B.S., M.S., Ph.D. (University of Maryland)

STOUT, I. JACK, Professor Emeritus of Optics (1972), B.S., M.S., Ph.D. (Washington State University)

SWEENEY, MICHAEL J., Professor Emeritus, Molecular Biology and Biophysics (1972), Ph.D. (Temple University School of Medicine)

SWEET, HAVEN C., Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)

TAYLOR, JAMES S., Professor Emeritus of Civil, Environmental, and Construction Engineering (1977), B.S.I.E., M.B.A., Ph.D. (University of Florida), P.E. (Florida)

Taylor, K. PHILLIP, Professor Emeritus of Community Medicine (1970), B.A., Ph.D. (University of Florida)

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)

TENNYSON, PAUL, Professor Emeritus of Zoology (1972), B.S., M.S., Ph.D. (Florida State University)

TESS, ANTHONY P., Professor Emeritus of Education and Director Brevard Campus (1979), B.S., M.A., Ed.D. (New York University)

THOMAS, MARGARET H., Professor Emerita of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)

TUBBS, LEVESTER, Associate Professor Emeritus, College of Education & Human Performance (1980), B.S., M.S., Ed.D. (University of Missouri)

TUCKER, RICHARD D., Professor Emeritus of Psychology (1972), A.B., M.A., Ph.D. (Emory University)

TYWANJES, NICOLOAS S., Professor Emeritus of Electrical and Computer Engineering (1966), B.S.E., M.E.E., Ph.D. (Johns Hopkins University)

VAN HOOK, MARY P., Professor Emerita of Social Work (1995), B.A., M.S., Ph.D. (Rutgers University)

WALLACE, RONALD L., Professor Emeritus of Anthropology (1975), B.A., M.A., Ph.D. (University of Florida)

WHISLER, BRUCE A., Associate Professor Emeritus of Music (1971), B.A., Ph.D. (University of Rochester)

WHITE, ROSEANN S., Professor Emerita of Molecular Biology and Microbiology, and Associate Director of Burnett School of Biomedical Sciences (1969), Ph.D. (University of Texas S.W. Medical School) WHITEHOUSE, GARY E., Professor Emeritus of Engineering (1978), 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)

WOOFF, EDGAR B., Associate Professor Emeritus of Communication (1972), B.S., M.B.A., Ph.D. (Florida State University)

YEH, GOUR-TSYH, Professor Emeritus of Civil, Environmental, and Construction Engineering (2000), B.S., M.S., Ph.D. (Cornell University), P.E. (New York, Massachusetts, California, Tennessee, Pennsylvania)

YOUSEF, YOUSEF A., Professor Emeritus of Civil, Environmental, and Construction Engineering (1970), B.S.C.E., M.S., Ph.D. (University of Texas), P.E. (Florida, Texas)
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<th>Date</th>
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<td>Doctor of Public Service</td>
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<td>Doctor of Business Administration</td>
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<td>May 2000</td>
<td>Doctor of Public Service</td>
<td>Reubin Askew</td>
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<td>Doctor of Science</td>
<td>Lee R. Scherer</td>
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<td>Doctor of Humanities</td>
<td>Howard Phillips</td>
<td>October 2002</td>
<td>Doctor of Commercial Science</td>
<td>Albert Burnett</td>
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<td>Doctor of Agricultural Service</td>
<td>Andrew Duda, Jr.</td>
<td>December 2002</td>
<td>Doctor of Science</td>
<td>Nancy Burnett</td>
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<td>Doctor of Agricultural Service</td>
<td>Ferdinand Duda</td>
<td>December 4</td>
<td>G. Vince Amico</td>
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<td>Doctor of Engineering Science</td>
<td>Robert J. Whalen</td>
<td>May 2005</td>
<td>Doctor of Public Service</td>
<td>Harriet Elam-Thomas</td>
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<td>Doctor of Public Service</td>
<td>Mary Jo Davis</td>
<td>March 2006</td>
<td>Anibel Acevedo Vila</td>
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<td>Doctor of Public Service</td>
<td>William E. Davis</td>
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<td>Rita Bornstein</td>
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<td>J. W. Hubler</td>
<td>December 2008</td>
<td>Doctor of Commerce</td>
<td>Robert Vander Weide</td>
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<td>Charles Wadsworth</td>
<td>May 2009</td>
<td>Howard Lance</td>
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<td>Jerry Collins</td>
<td>December 2012</td>
<td>Sanford Shugart</td>
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<td>D. Robert Graham</td>
<td>May 2013</td>
<td>William Jefferson Clinton</td>
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<td>Michael M. Crow</td>
<td>Judith A. Albertson</td>
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<td>Alan Ginsburg</td>
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<td>Richard A. Nunis</td>
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</table>

*President John C. Hitt with Dr. Phyllis A. Klock*
Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

A.F.: associate arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences within the College of Medicine.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CEDHP: College of Education and Human Performance.

Certificate: special program of study supplemental to a major.

CI: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are thirteen colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education and Human Performance (CEDHP), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), Undergraduate Studies, and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied toward the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation who fails to achieve a minimum 2.0 UCF GPA during a subsequent term is disqualified. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

Email: 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 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.

Excess Credit Hour Surcharge: a surcharge to each credit hour taken in excess of the total number of credit hours required to complete the degree being pursued. The amount in excess of the total hours is calculated based on a percentage defined in statute and is referred to by the University of Central Florida as baseline hours limit.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA during a subsequent term is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the fall and spring and summer terms.

FYAE: First Year Advising and Exploration.

FYE: First Year Experience.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C-” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

UCF GLOSSARY

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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 credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator,” this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: a major that has additional admission requirements (e.g. early application date, a separate application, or specific GPA requirements). Certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

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.

Matriculation: enrollment and attendance your initial term at UCF. Can be as an admitted, degree-seeking student or as a nondegree student.

MEP: Major Exploration Program to assist students who are undecided about a major.

Minor: a complement to a bachelor's degree program/ major requiring at least 18 credit hours in a field.

myUCF: the UCF student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, personal identification 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 Email account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs and, since July 1, 2014, when logging into myUCF or the UCF Information Kiosks.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the NID (Network Identification Number). Each time you use the NID to enter myUCF, you also will enter your password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission to the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu and, in limited circumstances, at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RCHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHI 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore and 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 twelve Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system; however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Accelerated education opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally-accredited institution.

UCF Regional Campus System: UCF Altamonte Springs, UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF Valencia East, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

UCF ID: (UCF Identification number): personal seven-digit number required as a unique identifier for each student.

Upper Level Courses: courses with a course number of 3000-4999.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student accommodation services, counseling services, and various other programs and services for student veterans.

Withdrawal, Withdraw from a Course: to formally request an official departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students who withdraw from a class are still responsible for tuition and fees for that withdrawn course.
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