UCF Stands For Opportunity

2010-2011
Undergraduate Catalog

University of Central Florida
4000 Central Florida Boulevard
Orlando, FL 32816
http://www.ucf.edu
407-823-2000

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

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

UCF Cocoa
(In partnership with Brevard Community College)
1519 Clearlake Road, Building 3
Cocoa, FL 32922
321-433-7821

UCF Daytona Beach
(In partnership with Daytona State College)
1200 W. International Speedway Blvd.
Daytona Beach, FL 32114
386-506-4021

UCF Leesburg
(In partnership with Lake-Sumter Community College)
9501 U.S. Highway 441
Leesburg, FL 34788
352-536-2113

UCF Ocala
(In partnership with Central Florida Community College)
3001 S.W. College Road
Ocala, FL 34474
352-854-2322, Ext. 1824

UCF Palm Bay
(In partnership with Brevard Community College)
250 Community College Parkway
Building 3
Palm Bay, FL 32909
321-433-7838

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

UCF South Lake
(In partnership with Lake-Sumter Community College)
1250 North Hancock Road
Clermont, FL 34711
352-536-2113

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

UCF Valencia Osceola
(In partnership with Valencia Community College)
1800 Denn John Lane
Building 3, Suite 319
Kissimmee, FL 34744
407-502-4190

UCF Valencia West
(In partnership with Valencia Community College)
1800 South Kirkman Road
Building 11, Suite 104
Orlando, FL 32811
407-582-5500

UNDERGRADUATE INFORMATION

Undergraduate Admissions
University of Central Florida
PO Box 160111
Orlando, FL, 32816-0111
http://www.admissions.ucf.edu
407-823-3000

Office of Student Financial Assistance
University of Central Florida
4000 Central Florida Boulevard
Millican Hall, Room 120
Orlando, FL 32816-0113
http://financialaid.ucf.edu
407-823-2827

Registrar’s Office
University of Central Florida
PO Box 160114
Orlando, FL 32816-0114
http://www.registrar.ucf.edu
407-823-3100

Housing and Residence Life
University of Central Florida
PO Box 163222
Orlando, FL 32816-3222
http://www.housing.ucf.edu
407-823-4663

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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.

University of Central Florida

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

UCF Stands For Opportunity
Mission Statement

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

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

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

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

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

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

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

Cordially yours,

John C. Hitt
President
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NOTE: Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar (http://www.registrar.sdes.ucf.edu/calendar) for information.

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

If possible, examinations should not be scheduled on days or during times of religious holidays. Students are expected to notify their instructor in advance if they intend to observe a holy day of their religious faith. For additional information, contact the Office of Diversity Initiatives (MH 329) at 407-823-6479.

1 Ends at 5:00 p.m. on the last day.
2 Summer B payment deadline for all students who register 3/22 - 5/21; Summer B payment deadline for all students who register May 22 - July 2.
3 $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.
4 Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to “F.”
5 Summer Final Exams are given during the last class meeting.

University Holidays and Special Events

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

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

### University Holidays and Special Events

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

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

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

Non-Discrimination Policy
(including sexual harassment)

The University of Central Florida values diversity in the campus community. Accordingly, discrimination on the basis of race, sex, national origin, religion, age, disability, marital status, parental status, veteran’s status, genetic information, and sexual orientation is prohibited. Sexual harassment, a form of sex discrimination, is defined as unwelcome sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature.

1. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual;
2. Submission to or rejection of such conduct by an individual is made either explicitly or implicitly a term or condition of an individual’s employment or enrollment;
3. Such conduct has the purpose or effect of substantially interfering with an individual’s work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University rules. Employees, students, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Equity Coordinator. The Director of the Office of Equal Opportunity and Affirmative Action Programs is the campus Equity Coordinator responsible for concerns in all areas of discrimination. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1EEE. Policies and guidelines are available online at http://www.eeo.ucf.edu/.

Drug-Free Workplace/Drug-Free Schools Policy Statement

Standards of conduct and disciplinary sanctions will be imposed for the unlawful possession, misuse or distribution of illicit drugs and alcohol by UCF students and employees on UCF property or as part of any of its activities. The unlawful manufacture, distribution, dispensation, possession, and controlled substances or prescription narcotics, 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. If an employee/student is to report to work/class or attend any University activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/alcohol disorder and/or for disciplinary action up to and including termination/expulsion and/or referral for prosecution consistent with local, state, and federal law.

Campus Alcoholic Beverages Policy

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

Guidelines
The sale and service of alcoholic beverages to persons younger than 21 years of age is prohibited. Possession or consumption of alcoholic beverages is prohibited by persons younger than 21 years of age.

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

Individuals are responsible for their actions regardless of their mental or physical 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, possession or consumption of alcohol by individuals of legal age may be permitted in private residential rooms in the residence halls and other on-campus or affiliated housing unless otherwise prohibited by the governing organization.

Consumption of alcoholic beverages in public or common areas within on-campus residential units shall follow guidelines provided by their governing organization, and local, state and federal law.

Approval Procedures: Student Groups

Prior approval for students or student organizations to host an event where alcoholic beverages will be 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 beverage must obtain approval to serve a beer or wine license from the Director of Business Services prior to making application for the license. With approval the license is then to be obtained from the Alcoholic Beverages and Tobacco Division of the Department of Business Regulations of the State of Florida. Off-campus groups or organizations who seek to serve alcoholic beverages in a location and situation which does not require a license must obtain prior approval to serve alcohol on campus from the Director of Business Services.

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

Academic Behavior Standards

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

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

Student Use of Technology

The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab.
Accreditation
The University of Central Florida, a member institution of the State University System, formerly was named Florida Technological University. The name was changed by action of the Florida Legislature on December 6, 1978. The University of Central Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award degrees at the associate, baccalaureate, master’s, doctoral, and professional levels. At the undergraduate level, the following programs (disciplines) have been granted accreditation:

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

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

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

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

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

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

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

Online@UCF

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

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

Online instruction modes are:

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

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

VIDEO STREAMING (V): These are courses delivered over the Web via streaming digital video, which may be supplemented by additional Web activity, projects or electronic discussions.

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

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

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

Regional Campuses

http://www.regionalcampuses.ucf.edu

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

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

All locations provide students with an opportunity to enroll in selected courses not currently offered locally and nontraditional varieties of graduate degrees in a variety of disciplines within the university. At UCF Regional Campuses students may register full-time or part-time for courses at any of the locations without additional paperwork. For the most current information on any of the multiple UCF Regional Campus locations, programs or class schedules, check the Web site at http://www.regionalcampuses.ucf.edu.
Campuses
UCF Valencia West, UCF South Orlando, UCF Valencia Osceola
Director, Academic Support Services ................. Edgar Martinez
Administrative Assistant ............................. Jacqueline Diaz
Assistant Director, Enrollment Services ................. Shellee Thomas-Smith
Coordinator, Academic Advising Services I ........... Carol Black
Coordinator, Academic Advising Services II .......... Lisa Cruz
Coordinator, Academic Advising Services III ......... TBA
UCF Daytona
Assistant Vice President and Director, Daytona Beach Campus .................. Linda Bradley
Coordinator, Academic Support Services ............... TBA
UCF Sanford/Lake Mary, UCF Altamonte
Associate VP and Director, UCF Sanford/Lake Mary and UCF Altamonte Springs .................. David Meaor
Coordinator, Academic Support Services .............. Sean Armstrong
Administrative Assistant .............................. Debbie Copertino
Coordinator, Enrollment Services ..................... Pamela Williams
Coordinator, Academic Advising Services I .......... Darryl Greeley
Coordinator, Academic Advising Services II ......... Kevin Snyder
Coordinator, Academic Advising Services III ......... TBA
UCF Cocoa, UCF Palm Bay
Associate Vice President, Academic Affairs and Interim Campus Director, Cocoa/Palm Bay .................. Denise Young
Director, Academic Support Services .................. Lauren Miller
UCF South Lake, UCF Ocala, UCF Leesburg
Assistant Vice President, Academic Affairs ............. Cecelia Rivers
Associate Director, Academic Support Services ....... Tanya Armstrong
Director, Regional Campus Student Services ........... James C. Smith, Jr.
Coordinator, Academic Advising Services I ............ Kristina Watkins
Coordinator, Academic Advising Services II .......... TBA
Coordinator, Academic Advising Services III ......... John King
UCF Cocoa
Coordinator, Academic Advising Services II .......... Sheryl Schagen
Department IT Manager .............................. Mei Wong

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

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

UCF Leesburg
352-536-2113
(In partnership with Lake Sumter Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Reading Education (M.Ed.) College of Education
Social Science Education (B.S.) College of Education

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

UCF Ocala
352-854-2322, ext. 1818
(In partnership with Central Florida Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies
Reading Education (M.Ed.) College of Education

Undergraduate Minors
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Social Science Education (B.S.) College of Education
Sociology

UCF Osceola
407-856-6585
(In partnership with Valencia Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies

Undergraduate Minors
Criminal Justice
English - Writing
Health Services Administration
History
Legal Studies
Political Science
Social Science Education (B.S.) College of Education
Sociology

UCF Palm Bay
321-433-7995
(In partnership with Brevard Community College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Early Childhood Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies

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

UCF Sanford/Lake Mary
407-328-2471
(In partnership with Seminole State College)
Undergraduate Degree Programs
Applied Science (B.A.S.) Office of Undergraduate Studies
Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration
Business Administration (B.A.) College of Business Administration
Criminal Justice (B.A., B.S.) College of Health & Public Affairs
Elementary Education (B.S.) College of Education
Interdisciplinary Studies (B.A., B.S.) Office of Interdisciplinary Studies

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

UNIVERSITY OF CENTRAL FLORIDA
16 Undergraduate Catalog 2010-2011
### Undergraduate Minors

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### Undergraduate Degree Programs

**Applied Science (B.A.S.) Office of Undergraduate Studies**

Tracks: Criminal Justice, Early Childhood Education, Health Services Administration, Industrial Operations, Information Technology, and Supervision and Administration

Business Administration (B.A.) College of Business Administration

Early Childhood Education (B.S.) College of Education

Elementary Education (B.S.) College of Education

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

Mathematics (B.S.) College of Education

Psychology (B.S.) College of Sciences

Sports and Fitness (B.S.) College of Education

Social Science Education (B.S.) College of Education

### Undergraduate Minors

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<tr>
<td>Sociology</td>
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</table>

### UCF South Lake

352-536-2113

(In partnership with Lake Sumter Community College)

### UCF South Orlando

407-856-6585

7300 Lake Ellenor Drive, Orlando, FL 32809

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

### UCF Valencia West

407-582-5500

(In partnership with Valencia Community College)

### Endowed Chairs

- **Phillis-Schenck Chair in American Private Enterprise**: Created in 1980 as the focal point for a continual dialog on major economic issues, comparative economic systems, and economic decision-making in business. Chair: TBA.
- **Charles N. Millican Chair in Computer Science**: Created in 1983 and dedicated to probing the frontiers of computer science, with emphasis on the direction that the discipline will take over the next decade. Chair: Narsingsh Deo.
- **William S. and Alice M. Jenkins Chair in Community Arts**: Created in 1986 to enable UCF to design and oversee programs covering art administration, art therapy, and art education within the Central Florida community. Chair: Kevin Haran.
- **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: Shelby Gerking.
- **The Cobb Family Eminent Chair in Optical Sciences and Engineering**: Created in 1988 to support the work of an internationally recognized scholar in laser and optical sciences. Chair: TBA.
RESOURCES & DEPARTMENTS

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

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


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

Devos/Orlando Magic Sport Business Management Endowed Scholar Chair: Created in 2004 to attract a nationally or internationally prominent scholar in the field of sports, with a strong commitment to graduate sport business management programs. Chair: Richard E. Lapchick.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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


Information Technologies and Resources

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

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

University Libraries

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

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

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

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

University Libraries offers a variety of information resources and services. An extensive resource collection includes 1.9 million volumes, 22,000 journal subscriptions, 3.1 million microforms and 48,000 media titles. The Libraries’ rapidly growing electronic resources include 358 databases, 207,000 e-books, and 28,000 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

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

The Libraries’ web-based catalog can be accessed from any public, home or office computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books, as well as the Library catalog, help and advice in the use of resources and materials, the Reference Desk is open most library hours. Individual appointments can also be made for in-depth research consultation. The web site http://library.ucf.edu/ask/ connects students with an Ask a Librarian, where questions are submitted and answered by Instant Messaging; e-mail; telephone at 407-823-2562, or toll-free at 866-271-7589. The Libraries supports the development of information literacy skills through the provision of InfoLit modules, http://infoLit.ucf.edu/, which provide just-in-time instruction for students on topics such as citing resources and plagiarism. Faculty can include the modules in course work as well.

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

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

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

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

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

Regional Campus Libraries collections and services are available through partner libraries in Cocoa, Palm Bay, Daytona Beach, Clermont, Sanford/Lake Mary, Ocala, Kissimmee, Leesburg, and Metro West. The university partners with local community colleges to provide complete information services. Two examples of Web sites customized for Regional Campus needs are the

University of Central Florida/Campuses
Office of Instructional Resources

The Office of Instructional Resources (OIR) provides the UCF community with multimedia design and production, digital media, Webcasting, video streaming, video production, digital photography, graphics, and a full range of multimedia classroom support services. OIR's Faculty Multimedia Center (CL 1 202) provides multimedia production and training resources for faculty members. OIR's interactive video classroom (CL 3 200) is used for videoconferencing and streaming video course origination. OIR supports more than 490 advanced multimedia classrooms throughout UCF. Approximately 95% of all UCF classrooms are equipped with multimedia presentation resources.

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

Intercollegiate Athletics

Director: Keith Tribble; WD2: 407-823-2261
http://www.UCFAthletics.com

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

Graduation Rate Disclosure

The completion or graduation rate is the rate at which full-time, certificate-seeking or degree-seeking undergraduate students who are enrolling for the first time at the institution, and who have not previously enrolled at any other institution of higher education, graduate from their programs. The 6-year graduation rate for the Fall 2002 full-time cohort is 63 percent. The retention rate for Summer-Fall full-time 2007 students is 85.5 percent. The information is public and available for review on the Institutional Research Web site.

UCF Arena at Knights Plaza

http://www.ucfarena.com

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

Nestled on the north side of the UCF Arena, The Venue at UCF Arena is a more intimate space showcasing established and up-and-coming artists from across the country. The Venue has hosting numerous artists and up-and-coming talent in a variety of genres.

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

Campus Bookstores

UCF's main campus is home to two Barnes & Noble bookstores.

John T. Washington Center Location

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

Knights Plaza Location

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

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

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

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

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

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

UCF Foundation, Incorporated

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

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

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

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

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

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

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

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

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

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

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

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

News and Information
Assistant Vice President: Grant J. Heston; Orlando Tech Center, 12201 Research Parkway, Suite 301, Orlando 32826; 407-823-5988

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

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

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

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

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

The primary mission of Student Outreach Programs is to attract, motivate, and prepare underrepresented students from the local area to complete a college education. These students are provided with essential information, educational materials, and collegial experiences to enhance their preparation for post-secondary study, through the efforts of two programs.
1. The College Reachout Program (CROP) is supported by the Florida Department of Education and provides campus and school-based programs to strengthen the skills and likelihood of college success of participating students in grades 6-12
2. The UCF Achievers Program, formerly the McKnight Center of Excellence, is supported by the Florida Education Fund and offers academic support and direct access to community-based programs for participating students in grades 6-12.

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

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

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

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

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

University Analysis and Planning Support
Director: Sandra Archer; Research Pavilion, 12424 Research Parkway, Suite 215, Orlando 32826; 407-822-0285
http://www.uaps.ucf.edu

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

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

UCF Marketing helps UCF clients reach their goals. UCF Marketing works alongside colleges and university-wide units to build important, brand-building marketing collateral. UCF Marketing also increases the university’s visibility and brand by distributing key UCF messages across multiple platforms to ensure the UCF story is told in a professional, engaging and relevant way to targeted audiences.
Introduction
The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience; from matriculation, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched development, leadership growth, experience-based learning, values education and civic engagement which lead to overall student success.

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

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

The division is comprised of the following areas:

Academic Services for Student-Athletes (ASSA)
Director: Mark Gumble; WDSC 104; 407-823-5896
http://www.sdes.ucf.edu
The Office of Academic Services for Student-Athletes, which is housed within the Division of Student Development and Enrollment Services works in collaboration with the Athletics Department to assist student-athletes in their efforts to establish and achieve their personal, academic, NCAA Division I academic-athletic eligibility, and career planning goals. ASSA services include:
- Providing transition services that promote the academic success of student-athletes;
- Guiding student-athletes in their selection of meaningful and appropriate major and minor fields of study;
- Assisting student-athletes with course registration, understanding of policies and procedures, and tracking progress towards degree completion;
- Organizing study halls, academic mentoring, and tutorial services;
- Directing students to utilize the full spectrum of other University services;
- Preparing student-athletes in their career planning and development;
- Assisting learning-disabled student-athletes with assessments and accommodations; and,
- Providing student-athletes with computer access and services.

Activity and Service Fee Business Office
Director: Joseph Sciaranno; SU 215; 407-823-5548
http://www.asf.ucf.edu
The Activity & Service Fee Business Office services the accounting, personnel, and/or purchasing needs of Activity & Service Fee funded agencies and provides a variety of services to UCF students. The Activity & Service Fee Business Office is also a support office for registered student organizations and UCF students that are allocated Activity & Service Fee funds by the Student Government Association. We provide an online financial training workshop for student organization officers and their faculty/staff advisors and provide a variety of equipment for check-out to any student free of charge.

In addition, our office manages the operation of the Student Government Computer Lab located on the second floor of the Student Union and the Student Government Express Print Lab located on the first floor of the Student Union. The Student Government Computer Lab has 42 computer stations available and the Student Government Express Print Lab has 14 computer stations available and provides limited free student development, leadership growth, experience-based learning, values education and civic engagement which lead to overall student success.

Alcohol and Other Drug Prevention and Intervention Services
Director: Tom Hall; COUN; 407-823-0879
http://www.aod.sdes.ucf.edu
The Alcohol and Other Drug (AOD) Prevention and Intervention Services Office offers a wide variety of services, including education, prevention, alcohol and other drug assessment/evaluation, short term intervention, and referrals for treatment. The AOD Office partners with other campus and community programs to create a healthy environment for students to study, work and play. Programs, activities and support services are provided to students to encourage low risk, responsible choices; ones that will optimize their personal and academic success and enhance their time at UCF.

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

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

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

AOD Policy Information:

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

Careers Services
Director: Lynn Hansen; FC 185; 407-823-2361
http://www.career.ucf.edu
Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career specialists. These comprehensive services are designed to help First Year through Graduate students with all phases of career development to include:
- Major and Career Choices
- Academic and Career Information
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, Job Postings and Resume Referrals)
- Graduate School Information
Counseling Center
Director: Stacey Pearson; COUN: 407-823-2811
http://www.counseling.sdes.ucf.edu
The Counseling Center serves enrolled UCF students, who seek assistance with mental-health related concerns, and the broader campus community by offering a wide variety of programs in direct support of the university mission. The Center is composed of a professional staff including psychologists, mental health counselors, social workers, and counselors in training who provide a confidential atmosphere and a safe environment in which students may explore and resolve issues of concern. The Center also provides advanced training and supervision for graduate students in counseling. The Center is open Monday through Friday 8-5 and Tuesday 8-7.

- Short-Term Individual Counseling
- Group Counseling and Workshops
- Crisis Intervention and Walk-Ins
- Couples Counseling
- Outreach Presentations and Workshops
- Consultation to Faculty and Staff
For additional information, visit the Counseling Center Web site at http://www.counseling.sdes.ucf.edu.

Creative School for Children
Director: Rhonda Moore; CSC: 407-823-2726
http://www.csc.sdes.ucf.edu
The Creative School for Children is the Educational Research Center for Child Development and provides an early experience educational program for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC). The daily program is planned and conducted by degreed teachers. The program provides a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned and spontaneous field trips and special family programs are part of the yearly schedule. Experiences in observation and training in academic areas also are made available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school enrols children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

First Year Advising and Exploration (FYAE)
Director: Stephen O’Connell; PH 116; 407-823-3789
http://firstyear.sdes.ucf.edu
UCF recognizes that starting in a new learning environment can present many challenging life transitions for incoming freshmen students. First Year Advising and Exploration has been established to prepare and advise first-time-in-college students (not assigned to other first year advising offices). The overriding mission of the office is to assist first-year students by providing numerous academic advising support services and other programs that will lead to their overall satisfaction, success and retention at UCF. Students who have not selected a major (Undeclared students) are provided focused advising support services through the Academic Exploration Program to assist them in the major selection process.

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

In addition, high school students admitted to UCF as part of the Early Admission or Dual Enrollment programs are advised through First Year Advising and Exploration.

Academic Exploration Program (APE)
PH 116; 407-823-3789
http://www.aep.sdes.ucf.edu
The Academic Exploration Program has been developed to provide structured experiences to assist students who have not declared a major. Students are provided major exploration and career development connections as primary advising initiatives so they can make an informed decision on their future major at UCF. AEP has several components including coordinated academic advising services from the first year advising office, major and career exploration programming activities, and online assessments. The program services are also available to first-year students who are unsure about their major choice and to those considering a change of major.

First Year Experience
Executive Director: Joe Ritchie; PH 218; 407-823-5105
http://www.fye.sdes.ucf.edu
The First Year Experience Office (combining orientation with extended first-year credit-bearing programs) includes the Learning and Interacting with New Knights (LINK) Program and the Strategies for Success course) assists entering freshmen and transfer students with their transition to the University of Central Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshmen and transfer student is required to attend an orientation prior to registering for classes. Students register for the program by visiting the First Year web site at http://www.fye.sdes.ucf.edu. In addition, LINK assists FTIC students in their transition by creating, coordinating and promoting campus-wide co-curricular educational programming and activities. Students also have the opportunity to serve as Orientation Team (O-Team) leaders and peer mentors for the Strategies for Success course.

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

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

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

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

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

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

The Fraternity and Sorority Life office is committed to providing the best possible fraternity and sorority experience for students and the university community. This office fosters and promotes the development of national fraternities and sororities by providing advising, services, and programs to ensure all members engage in high-quality undergraduate fraternity experiences that reinforce the organization’s founding principles: scholarship, community service, campus involvement...
Division of Student Development And Enrollment Services

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

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

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

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

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

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

An optional health and accident insurance plan for students by Aetna Student Health Insurance (http://www.aetnastudenthealth.com) that is endorsed by UCF may be purchased by response to periodic mailers or by contacting the UCF HS Insurance Office (407-823-6426). This voluntary plan is separate from the health fee students are required to pay each semester. However, when purchased, the insurance will cover most of the Health Services charges without a co-pay and also provides benefits for services that are beyond the scope of the campus Health Center’s SAVES Program, such as mental referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the Health Center are the responsibility of the student, including transport by ambulance.

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

The UCF Pharmacy and Knight Aide are state-of-the-art facilities. Staff and Pharmacists are passionate about patient education and providing excellent customer service. Patients are individually counseled and provided with written drug information. Each prescription is monitored for duplicate therapy, drug allergies and interactions. The Pharmacies accept over 250 prescription insurance plans and offer competitive prices for those students who do not have coverage.

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

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

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

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

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

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

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

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

Most wellness programs offer LINK Loot and Healthy Knight points.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Challenge Course:
- High Elements; 10 total; on two levels between 25-45 ft.
- Low Elements; 11 total
Division of Student Development And Enrollment Services

Campuses: Terry Exum; 321-433-7950; E-mail: srrss@mail.ucf.edu
Director, Student Services, UCF South Lake, UCF Leesburg and UCF Ocala Campuses: Pamela Brady; 352-536-2219; E-mail: wrrss@mail.ucf.edu
Coordinator, Student Services, UCF Valencia West, UCF Valencia Osceola and UCF South Orlando Campuses: Carol Black; 407-582-5487
Coordinator, Student Services, UCF Sanford/Lake Mary Campus: TBA; 407-705-2471

RESOURCES & DEPARTMENTS
Division of Student Development And Enrollment Services

website for updated information at

Athletic Training

The Athletic Training program is geared towards the prevention, evaluation, treatment, management and rehabilitation of athletic related injuries and illnesses by an AMA (American Medical Association) certified health care professional. The RWC offers free athletic training for students with injuries and illnesses by an AMA (American Medical Association) evaluated, treatment, management and rehabilitation of athletic related injuries and illnesses. The RWC offers free athletic training in the mid-west and the east coast. The challenge course is designed to provide exciting, experiential opportunities that focus on leadership, communication, self/group awareness and interpersonal skills. The climbing wall, located in the RWC, allows participants to experience the challenge of climbing indoors. Lake Claire Recreation Area located just north of Creek Row is available for students to reserve for special events or enjoy the beachfront pier. Equipment is available with a valid UCF I.D. To make reservations for the Challenge Course and Lake Claire please visit our Web site at http://www.rec.ucf.edu.

Aquatics

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

Fitness

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

Intramural Sports

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

Outdoor Adventure

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

Athletic Training

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

Sport Clubs

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

Regional Campuses Student Services

Assistant Vice President: A.J. Range; University Tower, Suite 101, 12201 Research Parkway, Orlando, FL 32826; 407-823-4547
Director, Student Services, UCF Daytona Campus: Diana Weidman; 386-506-4024; E-mail: erasr@mail.ucf.edu
Director, Student Services, UCF Cocoa and UCF Palm Bay

UNIVERSITY OF CENTRAL FLORIDA
http://www.rec.ucf.edu

http://www.registrar.ucf.edu

Registration HelpLine: 407-823-3533; E-mail: registrar@mail.ucf.edu
Website: http://www.registrar.ucf.edu

http://www.uva.ucf.edu

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

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

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

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

For Fall and Spring semesters, undergraduates must carry at least 12 credit hours for full-time VA benefits, 9 to 11 credit hours for three-quarter time benefits, and 6 to 8 credit hours for half-time benefits. Five credit hours or less will be reimbursed at the cost of tuition and fees or quarter-time depending on VA Chapter. Check Veterans Services Web site for Summer term course load and other FAQs.
Students currently enrolled at UCF and another institution may receive VA educational benefits, but first must complete the appropriate Transient Form and consult with Veterans Services. Veterans and eligible dependents who desire to change their major, or pursue a dual major, dual degree, or who add a minor may receive VA educational benefits but must obtain approval from DVA before taking any of the applicable courses. This includes a minor in military science. NOTE: some majors may have extra elective hours that can be used for courses for a minor or another major.

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct. Accordingly, benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the University. If reinstated by the University following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated.

Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. For students who fail to maintain satisfactory academic progress, benefits will be terminated once the required credit hours of course work for the program of study are completed, regardless of the GPA or eligibility for graduation. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.

**Rosen College of Hospitality Management Student Life**

**Assistant Director:** Tiffany Greenis; 9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-803-8150

Student’s campus life needs are met at the Rosen College of Hospitality Management campus through the Student Life Office. Staff are dedicated to providing individual and group tutoring for more than 25,000 students per year, registration services, civic engagement opportunities, and a variety of clubs and organizations.

**Director:** Tiffany Greenis; 9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-803-8150

**Assistant Director:** Tiffany Greenis; 9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-803-8150

The Student Life Office provides opportunities for students to engage in leadership roles, participate in events, and connect with the UCF community.

**Student Academic Resource Center (SARC)**

**Director:** Jennifer Wright; PH 113; 407-823-5130

http://www.sarc.sdes.ucf.edu

The Student Academic Resource Center provides high-quality programs and services that enable UCF students to achieve their academic goals. Programs include: Supplemental Instruction, peer tutoring, academic advising, and academic success workshops. The Supplemental Instruction (SI) program focuses on providing assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, and physics. These peer-led study sessions give students in these courses an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter.

Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, statistics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 25,000 students per year.

Each semester, SARC also offers a series of academic success workshops designed to address common student issues. Among these are test-taking strategies, time management, goal setting and classroom etiquette. Additionally, preparatory workshops are offered for the math portion of the General Knowledge exam.

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

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

**Student Disability Services (SDS)**

**Director:** Pamela Rea; FC 132; 407-823-2371

http://www.sds.ucf.edu

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

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

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

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

**Student Government Association**

**OSI/SGA Advisors:** Director Kerry Welch; SU 214; 407-823-2191

http://www.sga.ucf.edu

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

Money allocated by the Student Government Association for these services comes from Activity and Service Fees that students pay during registration. Additionally, student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students’ rights at the local, state, and national levels.

Student Government Association’s structure is modeled closely after the United States federal government system in that it contains three branches: executive, legislative, and judicial. The executive branch, comprised of the Student Body President, Vice President, and cabinet,
Oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

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

Office of Student Rights and Responsibilities
Assistant Vice President, Student Development and Enrollment Services and Director: Patricia A. Mackown; FC 142; 407-823-6980
http://www.osrr.sdes.ucf.edu

By offering a wide range of services designed to assist as well as educate students in resolving their disputes, the Office of Student Rights and Responsibilities (OSRR) combines Student Legal Services, Dispute Resolution Services, and the Office of Student Conduct. OSRR provides a forum that contributes to the individual growth and development of the student’s knowledge of community responsibilities, due process, conflict resolution skills, and university student conduct rules. Our resources are more effectively used by combining and sharing resources and hiring qualified staff to fulfill these three services. OSRR also publishes the Student Handbook, The Golden Rule, which contains more detailed information on student life. Copies of The Golden Rule can be obtained at OSRR, or can be viewed on the internet at http://www.goldenrule.sdes.ucf.edu. This office also advises the Golden Rule Review Committee which is a standing committee of students charged with making recommendations for updating the Golden Rule Student Handbook.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

UTC administers the following national standardized examinations:

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

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

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

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

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

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

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

Campus Visit Experience

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

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

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

Applications for admission can be submitted up to several months prior to the start of the term desired. The priority application deadlines are May 1 for the Fall semester (July 1 for Transfer students), November 1 for the Spring semester, and March 1 for the Summer term. The priority deadline for most financial assistance and scholarships is March 1. Information and an application for University housing can be found at http://www.housing.ucf.edu. Requests for housing are subsequently reviewed by date of the receipt of the housing application.

Admission to the University

Limited Access Programs

Students who have submitted an application for admission to UCF as freshmen, transfer, or dual enrollment are automatically placed in the Undergraduate Admissions Office. To be considered official, all supporting admissions documents must be received directly from the issuing institution or testing agency. All final supporting documents (official transcripts and test scores) must be received by Undergraduate Admissions no later than 6 days after the first day of classes.

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

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

Reactivation

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

Limited Access Programs

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

Orientation

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

Admission Categories

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

A. Freshman (First-Time-In-College: FTIC)
B. Dual Enrollment (includes early admission and dual enrollment, on- or off-campus)
C. Transfer
D. Second Bachelor’s Degree
E. Transient (one term enrollment only, not from a Florida public university)
F. Limited Non-Degree Seeking

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

Freshman Applicants

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

High School Diploma

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

Entrance Examination Scores

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

High School Academic Units and Grade Point Average

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

<table>
<thead>
<tr>
<th>Academic Subjects</th>
<th>Units Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>English (of which must have included substantial writing)</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics (at or above the Algebra I level)</td>
<td>4</td>
</tr>
<tr>
<td>Natural Science (two of which must have included substantial laboratory requirements)</td>
<td>3</td>
</tr>
<tr>
<td>Social Science (included: history, civics, political science, economics, sociology, psychology, and geography)</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language (both credits must be in the same language)</td>
<td>2</td>
</tr>
<tr>
<td>Additional academic electives from the above five subject areas and courses recommended by the Florida Assn. of School Administrators, or other groups, and courses recommended by the Articulation Committee and approved by the Department of Education</td>
<td>2</td>
</tr>
<tr>
<td>Total Units</td>
<td>18</td>
</tr>
</tbody>
</table>
Applicant Eligibility
All applicants must meet the following Department of Education (DOE) minimum eligibility index standards to be considered for Admission:

If the High School GPA is: Minimum test scores must be:

<table>
<thead>
<tr>
<th>HS GPA</th>
<th>SAT or ACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>1680 or 25</td>
</tr>
<tr>
<td>2.1</td>
<td>1620 or 24</td>
</tr>
<tr>
<td>2.2</td>
<td>1560 or 24</td>
</tr>
<tr>
<td>2.3</td>
<td>1510 or 23</td>
</tr>
<tr>
<td>2.4</td>
<td>1450 or 22</td>
</tr>
<tr>
<td>2.5</td>
<td>1450 or 21</td>
</tr>
<tr>
<td>2.6</td>
<td>1450 or 21</td>
</tr>
<tr>
<td>2.7</td>
<td>1450 or 21</td>
</tr>
<tr>
<td>2.8</td>
<td>1450 or 21</td>
</tr>
<tr>
<td>2.9</td>
<td>1390 or 20</td>
</tr>
<tr>
<td>3.0</td>
<td>* or *</td>
</tr>
</tbody>
</table>

*No minimum score required.

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

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

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

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

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

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

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

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

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

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

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

Transfer students are encouraged to review the current edition of UCF’s “Transfer Counseling Manual” available in Florida public community college counseling offices. The manual provides the recommended community college course requirements for all majors as well as other helpful information.

Transfer Applicants With Fewer Than 60 Credit Hours
All college transfer applicants with fewer than 60 credit hours of acceptable credit must minimally meet freshman high school unit entrance requirements, the high school academic GPA, and minimum SAT or ACT scores; have at least a 2.0 GPA on a 4.0 system for all college-level academic courses attempted; and be in good standing (minimum 2.0 GPA) and eligible to return as a degree-seeking student to the last institution attended. Meeting these minimum requirements does not guarantee admission.

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

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

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

1. Admission to one of the eleven state universities, except to “limited access” programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
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:
(i) A minimum of a 2.0 GPA and 60 credit hours of academic course work;
(ii) The English and Mathematics requirements of the Gordon Rule; and,
(iii) A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.

Meeting these minimum requirements does not guarantee admission.

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

(i) Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office. Students should complete all admission requirements and standards applications.

(ii) Students who have attended the University of Central Florida as degree-seeking undergraduate students must apply through the Registrar’s Office. These students complete the “Readmission Application” form.

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

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

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

- High school Dual Enrollment
- Soldiers-to-Scholars

Continuing Education
- Regional Campuses
- Off-campus credit
- Teacher Certification or re-certification

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

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

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

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

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

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

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

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

Results of the SAT or ACT may be required if the student has earned less than 60 credit hours of college credit. Information regarding these examinations may be obtained from the College Board (SAT), P.O. Box 592, Princeton, NJ, 08540 or from ACT, P.O. Box 414, Iowa City, Iowa, 52243. While there are no specific minimum score requirements on these examinations for admission, they are used in conjunction with other required credentials, and students should prepare sufficiently to achieve the highest possible score on these exams.
International students must have a completed “Certification of Finances” form and supporting financial documents indicating financial support to cover educational and other expenses for the first year of study with the International Services Center. This form and other required documents must be on file prior to the issuance of the I-20 or DS-2019 forms by the University.

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

<table>
<thead>
<tr>
<th>Agency Name</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Josef Silny and Associates</td>
<td>World Education Services</td>
<td>(305) 279-1616</td>
</tr>
<tr>
<td></td>
<td>7101 SW 102 Ave.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>P.O. Box 5087</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bowling Green Station</td>
<td></td>
</tr>
<tr>
<td></td>
<td>New York, NY 10274</td>
<td></td>
</tr>
</tbody>
</table>

Mandatory Health Insurance for International Students on F-1 and J-1 Visas
Each international student on an F-1 or J-1 visa offered admission shall, prior to registration for classes, submit proof of required health insurance coverage to UCF Health Services to comply with the State of Florida mandatory health insurance requirement for F-1 and J-1 students. Minimum coverage limits are posted on the Health Services Web site at http://www.hs.ucf.edu. Written proof of insurance must also be provided. If the insurance is issued by a foreign carrier or underwriter, a statement must be provided in English to assure that the policy meets the State of Florida minimum levels of insurance coverage.

The University reserves the right to refuse registration to any international student on an F-1 or J-1 visa who fails to comply with this insurance requirement or who is unable to supply satisfactory proof of insurance. The University also reserves the right to withdraw from classes any international student who fails to maintain insurance coverage, cancels insurance coverage while still enrolled as a student, or avoids in any way the responsibility to comply with the insurance requirement.

For questions, call UCF Health Services at 407-823-3707 or go to their Web site noted above.

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

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

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

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

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

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

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

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

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

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

Baccalaureate Honors
Transfer students should be aware that eligibility for graduation with baccalaureate honors requires the completion of a minimum of 48 credit hours at UCF and is based upon an overall grade point average. For more details, refer to ‘Academic Honors’ within the “Academic Regulations and Procedures” section of this Undergraduate Catalog.
Office of Student Financial Assistance  
*Executive Director: Mary H. McKinney, MH 120;*  
Switchboard: 407-823-2827; Appointment: 407-823-5285;  
Fax: 407-823-5241; E-mail: finaid@mail.ucf.edu  
[http://finaid.ucf.edu](http://finaid.ucf.edu)

**Office Hours:**  
Monday: 9:00 a.m. - 5:30 p.m.  
Tuesday, Wednesday, Friday: 9:00 a.m. - 5:00 p.m.  
Thursday: 1:00 p.m. - 5:30 p.m.  
(Hours subject to change during holidays and semester breaks.)

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

**Student Rights and Responsibilities**  
Students have the right to full information about the financial aid programs available at UCF, our application procedures and aid deadlines, and the criteria used to determine a financial aid package. Students have the right to appeal decisions made by the Office of Student Financial Assistance. Students have the right to equitable treatment of their financial assistance applications. Although each student’s case is analyzed individually, eligibility standards are applied uniformly without regard to race, gender, religion, creed, national origin, or physical handicap. All students’ records are confidential.

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

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

**Application Priority Date**  
All students must apply or reapply yearly for financial aid. To be considered for the full range of financial aid available, students should complete the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA by mid-February. The processed results of the FAFSA must be received by UCF by March 1st to meet our application priority date.

- If the priority date is missed, students should apply as soon as possible after that date to be considered for the financial aid that is still available, such as the Federal Pell Grant, Federal Stafford Loan, and Federal PLUS Loan;
- Students should not wait to be admitted to UCF before applying for financial aid;
- Federal Pell Grants and Federal Stafford Loans are available on a year-round basis. Students may apply for financial aid in advance of any term and receive aid from these programs, if eligible;
- Students who apply for aid and whose file is completed after July 15th should not expect their aid to be paid until well after the beginning of the fall semester;
- A broad range of scholarships is available with diverse criteria. Please review the Scholarship Listing on the Web site for specific deadline dates for individual scholarships.

**Application Procedures**

- The FAFSA can be filed electronically at [http://www.fafsa.ed.gov](http://www.fafsa.ed.gov). A link is provided on the Web site and on myUCF.
- Messages from the federal processor should be reviewed thoroughly;
- Review all correspondence, follow instructions on the Student Aid Report, and follow through promptly. Delays can be costly as well as frustrating;
- Federal Regulations require that some students be selected for Verification. If selected, students will be required to provide documents supporting the information submitted on the FAFSA. Sometimes subsequent requests for data may be necessary after initial submissions are reviewed. Prompt response to requests for additional documentation will expedite completion of this process;
- Offered federal funds and other need-based financial aid are not considered firm until Verification is complete and all necessary corrections have been made.
Financial Aid Programs Available at UCF

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

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

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

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

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

Award Notification

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

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

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

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

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

Deferrals of Tuition and Fees

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

amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferment process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program(s). Please refer to the Program Eligibility Charts on the Web site for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, 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. Students selected for Verification will not have access to accept their loans until all required documentation has been submitted and Verification has been completed. Students must drop classes prior to the end of Add/Drop in order to not be fee liable for those classes. If students do not drop their classes, a fine on their aid deferment may keep the classes active even if they are never attended.

Disbursements

Financial aid disbursements begin the second week of each term. Students should be aware of this so they are prepared to use their personal savings for anticipated expenses such as books and supplies at the beginning of the term. The Short Term Advance is not available as early as the week before the first day of classes. For additional information regarding these two programs, visit: http://finaid.ucf.edu/receiving/disbursements.html. Students who apply late for financial aid should be prepared to cover their own living expenses, out-of-pocket, well into the term. When financial aid disbursements are made, the funds first apply towards university debts. Any remaining balance is refunded to the student one of two ways. If a student has provided his/her bank information to set up Direct Deposit on myUCF, then the refund is deposited into the student’s bank account. Otherwise, a check is mailed to the student’s current mailing address listed on myUCF.

Satisfactory Academic Progress (SAP)

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

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

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

<table>
<thead>
<tr>
<th>Classification</th>
<th>Maximum UCF Hours Allowed For Completing Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
</tr>
<tr>
<td>All Freshman</td>
<td>180 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Sophomores</td>
<td>135 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Juniors</td>
<td>90 Attempted UCF Hours</td>
</tr>
<tr>
<td>Transfer Seniors</td>
<td>45 Attempted UCF Hours</td>
</tr>
<tr>
<td>Second Degree</td>
<td>60 Attempted Hours</td>
</tr>
<tr>
<td>Masters</td>
<td>70 Attempted Hours</td>
</tr>
<tr>
<td>Specialist</td>
<td></td>
</tr>
<tr>
<td>Degree-Seeking</td>
<td>100 Attempted Hours</td>
</tr>
<tr>
<td>(Including all Graduate Hours)</td>
<td></td>
</tr>
<tr>
<td>Doctoral</td>
<td>120 Attempted Hours</td>
</tr>
<tr>
<td>(Including all Graduate Hours)</td>
<td></td>
</tr>
<tr>
<td>Doctor of Medicine</td>
<td>Students must maintain Satisfactory Academic Progress for continued enrollment in M.D. program and access to federal assistance programs.</td>
</tr>
</tbody>
</table>


Re-establishing Eligibility after Cancellation

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

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

To appeal, the student must:

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

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

Transfer Students

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

Independent Students

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

- you are 24 years of age or older by December 31 of the award year;
- you are married at the time the original FAFSA was filed for the award year;
- you are or will be enrolled in a master’s or doctoral program (beyond a bachelor’s degree) at the beginning of the academic year;
- you have children who receive more than half their support from you;
- you have dependents (other than your children or spouse) who live with you and who receive more than half their support from you and will continue to receive more than half their support from you through June 30th of the school year;
- you are currently serving on active duty in the U.S. Armed Forces for purposes other than training;
- you are a Veteran of the U.S. Armed Forces. (“Veteran” includes students who attended a U.S. Service Academy and who were released under a condition other than dishonorable.)
- at age 13 or older, both your parents were deceased, you were in foster care or you were a dependent/ward of the court;
- you are an emancipated minor as determined by a court in your state of legal residence;
- you are in legal guardianship as determined by a court in your state of legal residence;
- you have high school or school district homeless liaison determined you were an unaccompanied youth who was homeless;
- you were determined, by the director of an emergency shelter program funded by the U.S. Department of Housing and Urban Development, to be an unaccompanied youth who was homeless;
- you were determined, by the director of a runaway or homeless youth basic center or transitional living program, that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.
Dual Enrollment
Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Dual enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Dual Enrollment/Transient Form
2. Advisor Certification Form with all required signatures;
3. A copy of the Fee Invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Student Form; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.

Dual enrolled students must make arrangements to pay tuition and fees at the visited school since there is no system for deferral of those tuition and fees. In addition, it is the student’s responsibility to insure that the visited school promptly provides the UCF Registrar’s Office with academic transcripts, confirming that the attempted hours are completed. This will help avoid academic progress problems. Students who expect to receive funds under any of the federal loan programs must enroll for a minimum of six undergraduate hours at UCF in UCF classes to meet eligibility requirements.

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

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

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

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

### 2009-2010 Fee Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition</strong></td>
<td>$88.59</td>
<td>$237.56</td>
<td>$88.59</td>
<td>$237.56</td>
</tr>
<tr>
<td><strong>Differential Tuition</strong></td>
<td>$8.41</td>
<td>0.00</td>
<td>$8.41</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Out-of-State</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$401.41</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Building Fee</strong></td>
<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td><strong>Capital Improvement Fee</strong></td>
<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
<td>$2.44</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
<td>$24.57</td>
<td>$37.74</td>
</tr>
<tr>
<td><strong>Activity and Service Fee</strong></td>
<td>$10.64</td>
<td>$10.64</td>
<td>$10.64</td>
<td>$10.64</td>
</tr>
<tr>
<td><strong>Athletic Fee</strong></td>
<td>$12.68</td>
<td>$12.68</td>
<td>$12.68</td>
<td>$12.68</td>
</tr>
<tr>
<td><strong>Health Fee</strong></td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
<td>$8.99</td>
</tr>
<tr>
<td><strong>Transportation Access Fee</strong></td>
<td>$7.94</td>
<td>$7.94</td>
<td>$7.94</td>
<td>$7.94</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.42</td>
<td>$11.87</td>
<td>$4.42</td>
<td>$11.87</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td>$150.85</td>
<td>$306.31</td>
<td>$666.83</td>
<td>$1099.01</td>
</tr>
</tbody>
</table>

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

### 2009-2010 Repeat Course Schedule*

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

### Other Fees: Resident and Non-resident*

<table>
<thead>
<tr>
<th>Fee Description</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
<th>Undergraduate (0000-4999)</th>
<th>Graduate (5000-7999)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Distance Learning Course Fee (per term)</strong></td>
<td>$10.00</td>
<td>$10.00</td>
<td>$30.00</td>
<td>$30.00</td>
</tr>
<tr>
<td><strong>Campus (ID) Card Replacement Fee</strong></td>
<td>$15.00</td>
<td>$15.00</td>
<td>$15.00</td>
<td>$15.00</td>
</tr>
<tr>
<td><strong>Material and Supply Fee (per term; approved courses only – varies per course)</strong></td>
<td>$5.00-$45.00</td>
<td>$5.00-$45.00</td>
<td>$5.00-$45.00</td>
<td>$5.00-$45.00</td>
</tr>
<tr>
<td><strong>International Student Service Fee (per term)</strong></td>
<td>$50.00</td>
<td>$50.00</td>
<td>$50.00</td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>Repeat Course Fee (per term)</strong></td>
<td>$186.87</td>
<td>$186.87</td>
<td>$186.87</td>
<td>$186.87</td>
</tr>
<tr>
<td><strong>Equipment Fee (per term, for use of equipment)</strong></td>
<td>up to $90.00**</td>
<td>up to $90.00**</td>
<td>up to $90.00**</td>
<td>up to $90.00**</td>
</tr>
</tbody>
</table>

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

### Student Financial Responsibility Statement

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

### Payment Procedures

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts);
   f. Verification of permanent employment in Florida by the employer, employment records, or other employment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency;
   g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;
   h. Proof of continuous presence in Florida during periods when not enrolled as a student;
   i. Proof of former domicile in Florida and maintenance of significant connections while absent;
   j. Proof of reliance upon Florida sources of support;
   k. Proof of domicile in Florida of family;
   l. Proof of admission to a licensed practicing profession in Florida;
   m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;
   n. Proof of graduation from a high school located in Florida.
Office will review student requests for changes in residency for posed for all newly admitted students. Thereafter, the Registrar’s Office or Graduate Studies determine first term at UCF residency for tuition purposes. Undergraduate Admissions and the College of Graduate Admission will review student requests for residency reclassification if they already are enrolled. The offices of Undergraduate Admissions and the College of Graduate Admissions office if they have not yet enrolled, or to the Registrar's Office if they believe that they qualify for Florida residency must submit the residency reclassification request and supporting documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. This form must be accompanied by all documents that support the student’s Florida residency claim. Residency reclassification requests are subject to Florida Statute 1009.21, Florida State Board of Education Administrative Code 6A-10.044, and State Board of Education rule 6C-7.005. In addition, University policy requires students requesting residency reclassification to provide documentation establishing that they have income or personal sources to meet financial obligations of attendance and living expenses. Contact the Registrar’s Office at 407-823-3100 for additional information regarding all residency reclassification requirements.

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

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

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

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

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.

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.

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

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

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Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:

1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, IB and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL, Explorations Living Learning Community, STEP, and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (PH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   c. Student Academic Resource Center (SARC) - for participants in the College Achievement Program (CAP) or Pegasus Success Program (PH 113)
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   e. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 45 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH 215)

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

3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student’s chosen major after the completion of his or her first year.
College of Business Administration
The College of Business Administration (CBA) seeks to provide its students with the highest quality academic advising. The intent of the advising system is to assist prospective and current business majors in the development of an educational plan.

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

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

College of Education
New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education;
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending and be advised in the Academic Advising Center (ED 175) if their major is Elementary Education. Academic advising sessions may be scheduled by calling 407-823-3732 or 407-823-5369; and,
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The academic advisor’s name and telephone number appear on the Degree Audit to assist students in making an advising appointment.

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

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

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

and,
7. File the “Intent to Graduate” through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

College of Health and Public Affairs
New students will:
Meet college advising representatives in group settings during Orientation to:
1. Discuss degree program requirements;
2. Understand career options of the major program of study;
3. Plan an appropriate first semester class schedule; and,
4. Meet with an advisor in COHPA Undergraduate Student Services by the end of the term prior to graduation check in the CECS Academic Affairs Office, or the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check selection of program courses, assignment of a faculty advisor, and progress toward graduation.

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

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

Continuing students will:
1. Meet with an advisor in the Office of Student Services and Advisement (OSSA) in HPA2, room 335 every semester to check progress toward graduation and selection of program courses; and
2. See their faculty advisor each semester to check on possible career and research opportunities;
3. See an advisor in the Office of Student Services and Advisement (OSSA) if pending major for limited-access Medical Laboratory Sciences program during the first few weeks of each semester to check progress toward eligibility for application to the major;
4. View a Degree Audit, registration time, and search for classes (once the class schedule is available) through myUCF;
5. Register for courses at the scheduled appointment time. Complete all schedule changes by the end of the published add period;
6. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the Office of Student Services and Advisement (OSSA), by the end of the term prior to the term in which graduation will occur; and,
7. Pre-health professional students: See Pre-Health Professions Advisor in HPA 124, 407-823-2670.

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

Pre-Health Professional Planning
Preprofessional advisement deals primarily with application and admission procedures to professional schools.

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

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

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

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

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

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

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

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

- General Biological Sciences: BSC 2010C, 2011C
- Genetics: PCB 3063
- General Chemistry: CHM 2045C, 2046, 2046L
- Organic Chemistry: CHM 2210, 2211, 2211L
- Biochemistry: BCH 4053
- Biochemistry/Molecular Lab: BCH 4103L or BSC 3403C
- Microbiology: MCB 3020C
- Calculus: MAC 2253 (prefer MAC 2311, 2312
- Physics: PHY 2053C, 2054C
- Statistics: STA 2023

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

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

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

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

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

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

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

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

Continuing students will:
1. Contact the department of their major and meet with a faculty advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is still appropriate.
3. Access the class schedule and Degree Audit online at https://my.ucf.edu;
4. Register for classes through https://my.ucf.edu. Special assisted registration (e.g., overrides, independent study, thesis) for COS courses must be handled in COSAS;
5. Refer to COSAS any questions pertaining to the Degree Audit regarding GEP, CLEP, AP credit, Gordon Rule, university credit hour requirements, as well as policies and procedures. Questions about major requirements in the Degree Audit should be directed to the department; and,
6. Check their “Fee Invoices” to ensure accuracy of their class schedule.
Graduating students will:
1. Do all of the following steps during the term prior to your term of graduation:
2. Review the COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
3. Schedule and attend a graduation review appointment with a COSAS advisor; and,
4. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar

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

New students will:
1. Meet with a member of the Interdisciplinary Studies Advising Team in an individual setting during Orientation to discuss policies and procedures, degree program requirements and tracks, and plan an appropriate first semester class schedule;
2. Schedule a meeting with a member of the Interdisciplinary Studies Advising Team (Classroom I - Suite 302) to officially declare their major and create an individual plan of study;
3. Meet with an advisor in the department of their minor to review the minor’s program requirements;
4. Refer to Academic Services any questions pertaining to general education requirements, AP and CLEP credit, Gordon Rule, and other policies and procedures as appropriate; and,
5. Register for classes online.

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

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

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

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

Regional Campus students have several opportunities to obtain academic advising which begins as co-advising with the Community College in the DirectConnect to UCF program and continues with the Professional Advisors available at the Regional Campuses. Current students will continue to receive advising on the Regional Campus of their choice for the programs that are available on that campus. For a list of the academic programs available through the Regional Campus System, see ‘UCF Regional Campuses’ within the “University of Central Florida” chapter of the Undergraduate Catalog.

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

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

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

Transfer and Transition Services provides the following services and resources:
- Accurate and current information about university programs and policies including entrance and exit requirements, as well as information concerning:
  - General advising for transfer students before and after they enroll at UCF
  - Pre-admission academic advising for students applying to UCF
  - Advising for students who are undeclared, undecided, or changing majors
  - Peer Mentors provide advising and transition assistance by telephone, e-mail, and office appointments
- Student information and advising HOTLINE 407-823-5959
- Web site for transfer students (http://transfer.sdes.ucf.edu)
- Transfer Knights social club; Tau Sigma Transfer Honor Society
- Orientation advising and assistance
- Written articulation agreements between UCF and other universities and colleges
- How Can a Community College Counselor or Advisor Help Me?
  It is important that you are kept informed of all requirements for transferring to UCF. Community college counselors and advisors are provided with information and resources about the requirements to enter each program at UCF. They can help you determine which classes you need to complete before transferring. Additionally, they have access to information for limited access majors that have special requirements: application deadlines, GPA, testing, portfolios, letters of recommendation, etc.

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

Why Should I Complete My A.A. Before Transferring From a Florida Public Institution?
Receiving your A.A. from a Florida public institution ensures special benefits guaranteed under the statewide Articulation Agreement. The following are some of the advantages of receiving your A.A.:
- Priority in admission to state universities;
- Acceptance of at least 60 credit hours toward the baccalaureate degree; no additional general education core requirements;
- Acceptance of all courses taken at your institution, if the same course with the same course number is offered at UCF;
- Transfer of all accelerated programs (CLEP, AP, IB, early admission, and dual enrollment courses) within the A.A.; official test scores must be sent to receive UCF course credit;
- Advance knowledge of selection criteria for limited access programs; equal opportunity with UCF native students to enter limited access programs; and,
- All grade forgiveness awarded under the A.A. will be honored.

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

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

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

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

What Are the Foreign Language Requirements?

**Admission Requirement:** To be admitted you should complete two years of the same foreign language or American Sign Language in high school (document by submitting an official high school transcript), or 8-10 credit hours in the same language at the college level, or pass a CLEP or other proficiency examination. Students admitted without this requirement must satisfy it prior to graduation.

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

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

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

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### Transfer Checklist

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

**Application for Admission**

| ___/___/___ date submitted                        |
| ___/___/___ checked admission status at https://my.ucf.edu |
| ___/___/___ date of acceptance                    |

**Transcripts**

(Original transcript from all institutions attended)

| Y___ N___ transcripts sent from all current and prior institutions |
| Y___ N___ date final transcript sent after term completed |

**Financial Aid/Scholarship**

| ___/___/___ date financial aid application (FAFSA) sent |
| ___/___/___ date SCHOLARSHIP application sent |
| Y___ N___ “to do” list checked on myUCF |

**Housing**

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

**Orientation:**

| ___/___/___ Orientation date at UCF |

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Transfer and Transition Services

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

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

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

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

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

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

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

Students should:
- Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted “contingent upon completion of the A.A.” if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register.
- Tuition and fee payments are due by the published deadline.
- Complete the “Student Health Form.” Registration is not allowed without the completion and approval of this form.
- Complete CLAS if possible; however, you can be admitted without it. Since the A.A. is not awarded without completion of CLAS, privileges provided by the A.A. are not granted (i.e., grade forgiveness, Gordon Rule, and the completion of general education requirements). Without completion of CLAS, but with all general education courses completed, you should request the following statement placed on your transcript: “General Education Requirements Met.” Without this statement, you must satisfy UCF’s general education requirements (including Gordon Rule courses).
- Complete the “Free Application for Federal Student Aid” (FAFSA). To be considered for all aid available, your financial aid file should be complete by March 1.
UNDERGRADUATE DEGREE REQUIREMENTS

Requirements for Graduation

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

- Fulfill the requirements for the chosen major;
- Earn a minimum of 120 unduplicated credit hours with at least a "C" average (2.0 GPA) for all UCF course work attempted. Some majors require more than 120 hours;
- Earn at least 48 of these 120 credit hours in 3000-level courses or above (upper-division);
- Earn a minimum of 30 of their last 39 hours in regular courses at UCF. Credit by Examination may not be used to satisfy this requirement;
- Earn a minimum of 25% of the total hours required for the degree in residence at UCF. For programs that require the completion of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply no more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- Fulfill the CLAST requirement;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

Degrees Awarded Posthumously

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

Choice of Catalog (Catalog Year) and Continuous Enrollment

A student must graduate under the provisions of any UCF Undergraduate Catalog in effect since the student began continuous enrollment at UCF. New Catalog policies and requirements take effect with the Summer term. A student transferring from Florida public community colleges, state colleges, or state universities may use the UCF Undergraduate Catalog in effect at the time he or she began the most recent period of continuous enrollment in academic good standing at any of the Florida public institutions.

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

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

General Education Program (GEP)

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

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

General Education Program Learning Objectives

Communications Foundation

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

Cultural and Historical Foundation

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

Mathematical Foundation

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

Social Foundation

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

Science Foundation

- Demonstrate an understanding of science as an empirical attempt to acquire information about the real world, develop possible explanations of these phenomena, and test the explanations by predicting the outcome of future observations.
Undergraduate Degree Requirements

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

(Some majors require a specific course or a higher level course in some areas. Consult your major requirements and advisor.)

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<tr>
<th>A. Communication Foundation</th>
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<tbody>
<tr>
<td>1. ENC 1101 Composition I</td>
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<td>2. ENC 1102 Composition II</td>
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<tr>
<td>3. SPC 1608 Fundamentals of Oral Communication</td>
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</tr>
<tr>
<td>4. SPC 1603 Fundamentals of Technical Presentation</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>5. COM 1000 Introduction to Communication</td>
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<thead>
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<th>B. Cultural and Historical Foundation</th>
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<td>1. EUH 2000 Western Civilization I</td>
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<td>2. EUH 2001 Western Civilization II</td>
<td>3(3,0)</td>
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<tr>
<td>3. HUM 2210 Humanistic Tradition I</td>
<td>3(3,0)</td>
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<tr>
<td>4. HUM 2230 Humanistic Tradition II</td>
<td>3(3,0)</td>
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<tr>
<td>5. AMH 2100 U.S. History: 1492-1877</td>
<td>3(3,0)</td>
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<td>6. AMH 2200 U.S. History: 1877-1955</td>
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<td>7. WOH 2012 World Civilization I</td>
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<td>8. WOH 2022 World Civilization II</td>
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<td>2. MGF 1106 Finite Mathematics</td>
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<tr>
<td>3. CGS 1060C Introduction to Computer Science</td>
<td>3(3,0)</td>
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<tr>
<td>4. STA 1060C Basic Statistics using Microsoft Excel</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>5. STA 2014C Principles of Statistics</td>
<td>3(3,0)</td>
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</table>

<table>
<thead>
<tr>
<th>D. Social Foundation</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ECO 2013 Principles of Macroeconomics</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>2. ECO 2051 Principles of Microeconomics</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>3. POS 2041 American National Government</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>4. PSY 2012 Introduction to Psychological Science</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>5. SYG 2000 Introduction to Sociology</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>6. ANT 2000 General Anthropology</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E. Science Foundation</th>
<th>6 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. AST 2002 Astronomy</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>2. PSC 1121* Physical Science PR: MAC 1105 or MGF 1106</td>
<td>4(3,3)</td>
</tr>
<tr>
<td>3. PHY 2053C College Physics I: MAC 1105 and MAC 1114</td>
<td>4(3,3)</td>
</tr>
<tr>
<td>4. CHM 1020 Concepts in Chemistry PR: High School Algebra</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>5. BSC 1005* Biological Principles</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>6. GLY 3030 Geology &amp; Its Applications</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>7. GEO 1020* Physical Geography</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>8. ANT 2511 The Human Species</td>
<td>3(3,0)</td>
</tr>
<tr>
<td>9. MCB 1310 Intro to Biotechnology and Genetic Engineering</td>
<td>3(3,0)</td>
</tr>
</tbody>
</table>

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

1A grade of "C-" (1.75) or better is required in this course.

2A grade of "C-" (1.75) or better satisfies three hours of the Gordon Rule requirement.

- 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

### Education Courses:

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

### Other Courses:

- AMH 3422 Frontier Florida

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 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](https://my.ucf.edu). Appeals of transfer credit decisions should be directed to Academic Services (MH 210). Substitution requests for college or major requirements are processed within those administrative offices.

**Alternate Courses:**

**General Education Program**

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

**GEP Requirement**

<table>
<thead>
<tr>
<th>Acceptable Substitutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 1105 (College Algebra)</td>
</tr>
<tr>
<td>MGF 1106 (Finite Mathematics)</td>
</tr>
<tr>
<td>PHY 2053C (Physics)</td>
</tr>
<tr>
<td>CHM 1020 (Chemistry)</td>
</tr>
<tr>
<td>CGS 1060C</td>
</tr>
<tr>
<td>STA 2014C (Statistics)</td>
</tr>
<tr>
<td>THE 2000 (Theatre)</td>
</tr>
<tr>
<td>FIL 1000 (Cinema Survey)</td>
</tr>
<tr>
<td>MUL 2010 (Enjoyment of Music)</td>
</tr>
</tbody>
</table>

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

**Diversity Requirement**

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

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

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

AMH 3425 Sunbelt Florida
AMH 3562 Women in American History II
AML 3283 Contemporary American Women's Fiction
AML 3615 Harlem, Haiti, and Havana
ANT 3245 Native American Religions
ASH 4304 Women 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
EDG 2085 Teaching Diverse Populations
GEO 3471 World Political Geography
JST 3401 History of the Jewish People I
JST 3402 History of the Jewish People II
LIN 4643 Cross Cultural Communication
LIN 4XXX African-American Styles of Communication
AML 3982 Ethnic Literature in America
LIT 3192 Caribbean Literature
MMC 4300 International Media
MUL 2720 Music of the World
NUR 3895 Transitional Concepts in Nursing I
PAD 4446 Multiculturalism in Public Administration
PLA 4020 Law and Society
PLA 4830 World Legal Systems
PLA 4XXX Employment Discrimination
POS 3627 Cultural Pluralism and Law
PUP 3325 Women and Politics
PUS 4622 Politics and Civil Rights
PUP 3314 Minority Politics
PUP 4204 Sustainability
SOW 3620 Social Work with Minorities
SPW 4712 Black Presence in Contemporary Latin America
SYD 3900 Sex Roles in Modern Society
SYP 4732 Minority Aging
THE 3230 Commonality within Cultural Diversity Experienced through Theater
WST 3561 Third Wave Feminism
WST 3015 Introduction to Women's Studies Transfer work from other colleges and universities is evaluated by the student's major department to determine if courses meet the diversity requirement. Satisfaction of this requirement remains in effect if the student changes majors.

Exit Exams
In order to measure their effectiveness, some departments and colleges may require graduating students to participate in an exit exam designed to measure the students' understanding of the discipline.

Foreign Language Proficiency Requirement (Bachelor of Arts Degree)
Students graduating with a Bachelor of Arts degree must demonstrate proficiency in a foreign language equivalent to one year of college instruction. This requirement may be met either by successful completion of the appropriate college-level course or by examination. Languages that may be used include those taught at UCF and any others for which the University can obtain standardized proficiency tests. Students who have previously received a baccalaureate degree are exempt from this requirement.

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

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

1. This requirement is for proficiency and not a requirement for a particular number of hours of course work. For example, successful completion of only SPN 1121C (Elementary Spanish Language and Civilization II) would satisfy the B.A. requirement. Appropriate scores on Advanced Placement and CLEP examinations will also satisfy the requirement.
2. This is a University-wide requirement for all B.A. majors.
3. The Testing Administrator of the University Testing Center will offer the Foreign Language Proficiency Examination throughout each term. Students must register in advance with that office to take the examination (PH 106).
4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.
5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

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

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

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

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

1. Six hours of mathematics at (1) College algebra or finite math and six hours of additional coursework with significant those from the following list: Any 3000-level or above course in mathematics, statistics, or computer science also may be used toward fulfillment of the mathematics portion of the "Gordon Rule" Requirement.
2. Six hours of English coursework and six hours of additional coursework with significant college level writing (1) Six hours of English Composition and (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
- EEU 2000 Western Civilization I
- EEU 2001 Western Civilization II
- HUM 2210 Humanistic Tradition I
- HUM 2230 Humanistic Tradition II
- WOH 2012 World Civilization II
- WOH 2022 World Civilization II

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

- AMH 2010H Honors US History: 1492 - 1877
- AMH 3402 History of the South to 1865
- AMH 3403 History of the South Since 1865
- AMH 3441 History of the Frontier: Eastern America
- AMH 3442 History of the Frontier: Western America
- AMH 3541 U. S. Military History To 1900
- AMH 3561 Women in American History I
- AMH 3571 Black American History I
- AMH 3800 Canadian History
- AMH 4110 Colonial America, 1607-1763
- AMH 4130 The Age of the American Revolution, 1763-1789
- AMH 4180 Jacksonian America
- AMH 4201 The Gilded Age and Progressivism
- AMH 4270 United States History: 1939-1960
- AML 3031 American Literature I
- AML 3041 American Literature II
- AML 3283 Contemporary American Women's Fiction
<table>
<thead>
<tr>
<th>Undergraduate Degree Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AOL 3286</strong> Early American Women's Words</td>
</tr>
<tr>
<td><strong>AOL 3614</strong> Topics in African-American Literature</td>
</tr>
<tr>
<td><strong>AOL 3815</strong> Harlem, Haiti, and Havana</td>
</tr>
<tr>
<td><strong>AOL 3843</strong> Contemporary American Prose and Poetry</td>
</tr>
<tr>
<td><strong>AOL 3682</strong> Ethnic Literature in America</td>
</tr>
<tr>
<td><strong>AOL 3682H</strong> Honors Ethnic Literature in America</td>
</tr>
<tr>
<td><strong>AOL 4101</strong> American Novel</td>
</tr>
<tr>
<td><strong>AOL 4153</strong> American Poetry at Mid-Century</td>
</tr>
<tr>
<td><strong>AOL 4155</strong> Modern American Poetry</td>
</tr>
<tr>
<td><strong>AOL 4261</strong> Literature of the South</td>
</tr>
<tr>
<td><strong>AOL 4265</strong> Florida Writers</td>
</tr>
<tr>
<td><strong>AOL 4300</strong> Major American Authors</td>
</tr>
<tr>
<td><strong>AOL 4304</strong> Whitman and His Heirs</td>
</tr>
<tr>
<td><strong>AOL 4321</strong> Modern American Literature</td>
</tr>
<tr>
<td><strong>AOL 4630</strong> Latino/Latina Literature</td>
</tr>
<tr>
<td><strong>ANT 3183</strong> Mesoamerican Archaeology</td>
</tr>
<tr>
<td><strong>ARH 4450</strong> 20th Century Art</td>
</tr>
<tr>
<td><strong>ARH 4800</strong> Theory and Criticism of the Visual Arts</td>
</tr>
<tr>
<td><strong>DAN 3134</strong> Dance History I</td>
</tr>
<tr>
<td><strong>EAS 4700C</strong> Aerospace Design I</td>
</tr>
<tr>
<td><strong>ENG 412C</strong> Interdisciplinary Design I</td>
</tr>
<tr>
<td><strong>ENG 4501C</strong> Engineering Design I</td>
</tr>
<tr>
<td><strong>ENC 1101H</strong> Honors Freshman Composition I</td>
</tr>
<tr>
<td><strong>ENC 1102H</strong> Honors Freshman Composition II</td>
</tr>
<tr>
<td><strong>ENC 212D</strong> Grammar and Composition</td>
</tr>
<tr>
<td><strong>ENC 2210</strong> Writing for the Business Professional</td>
</tr>
<tr>
<td><strong>ENC 2411C</strong> Digital Literacy for the Liberal Arts</td>
</tr>
<tr>
<td><strong>ENC 3211</strong> Theory and Practice of Technical Writing</td>
</tr>
<tr>
<td><strong>ENC 3211H</strong> Honors Theory and Practice of Technical Writing</td>
</tr>
<tr>
<td><strong>ENC 3241</strong> Writing for the Technical Professional</td>
</tr>
<tr>
<td><strong>ENC 3241H</strong> Honors Writing for the Technical Professional</td>
</tr>
<tr>
<td><strong>ENC 3250</strong> Professional Writing</td>
</tr>
<tr>
<td><strong>ENC 3310</strong> Magazine Writing I</td>
</tr>
<tr>
<td><strong>ENC 3311</strong> Advanced Expository Writing</td>
</tr>
<tr>
<td><strong>ENC 3905</strong> Directed Experience in Writing</td>
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<tr>
<td><strong>ENC 3942</strong> Journal Writing Practicum</td>
</tr>
<tr>
<td><strong>ENC 4215</strong> Technical Publication and Project Management</td>
</tr>
<tr>
<td><strong>ENC 4218</strong> The Visual in Technical Documentation</td>
</tr>
<tr>
<td><strong>ENC 4262</strong> International Technical Communication</td>
</tr>
<tr>
<td><strong>ENC 4265</strong> Writing for the Computer Industry</td>
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<tr>
<td><strong>ENC 4280</strong> Technical Writing Style</td>
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<tr>
<td><strong>ENC 4290</strong> Usability Testing for Technical Communication</td>
</tr>
<tr>
<td><strong>ENC 4293</strong> Documentation and the Collaborative Process</td>
</tr>
<tr>
<td><strong>ENC 4294</strong> Documentation and Client-Based Collaboration</td>
</tr>
<tr>
<td><strong>ENC 4313</strong> Research Writing</td>
</tr>
<tr>
<td><strong>ENC 4360</strong> Nature Writing</td>
</tr>
<tr>
<td><strong>ENC 4414</strong> Writing and Hypertext</td>
</tr>
<tr>
<td><strong>ENG 3010</strong> Practical Criticism</td>
</tr>
<tr>
<td><strong>ENG 3014</strong> Theories and Techniques of Literature Study</td>
</tr>
<tr>
<td><strong>ENG 3073</strong> Cultural Studies Literature</td>
</tr>
<tr>
<td><strong>ENG 4114</strong> Literature and Film</td>
</tr>
<tr>
<td><strong>ENG 4614</strong> Discourse of Global Culture Studies</td>
</tr>
<tr>
<td><strong>ENL 2012</strong> English Literature I</td>
</tr>
<tr>
<td><strong>ENL 2022</strong> English Literature II</td>
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<tr>
<td><strong>ENL 3951</strong> Orlando Shakespeare Festival</td>
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<td><strong>ENL 3951H</strong> Honors Orlando Shakespeare Festival</td>
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<tr>
<td><strong>ENL 4220</strong> English Renaissance Poetry and Prose</td>
</tr>
<tr>
<td><strong>ENL 4230</strong> 18th Century Studies</td>
</tr>
<tr>
<td><strong>ENL 4240</strong> English Romantic Writers</td>
</tr>
<tr>
<td><strong>ENL 4253</strong> The Victorian Age: Poetry</td>
</tr>
<tr>
<td><strong>ENL 4262</strong> Nineteenth Century British Prose</td>
</tr>
<tr>
<td><strong>ENL 4303</strong> British Authors</td>
</tr>
<tr>
<td><strong>ENL 4311</strong> Chaucer</td>
</tr>
<tr>
<td><strong>ENL 4333</strong> Shakespeare Studies</td>
</tr>
<tr>
<td><strong>EUH 2000H</strong> Honors Western Civilization I</td>
</tr>
<tr>
<td><strong>EUH 3122</strong> Medieval Society and Civilization</td>
</tr>
<tr>
<td><strong>EUH 3142</strong> Renaissance and Reformation</td>
</tr>
<tr>
<td><strong>EUH 3242</strong> Modern Europe and the First World War</td>
</tr>
<tr>
<td><strong>EUH 3281</strong> Second World War and Rebirth of Europe</td>
</tr>
<tr>
<td><strong>EUH 3451</strong> History of Modern France</td>
</tr>
<tr>
<td><strong>EUH 4284</strong> Fascism and the Totalitarian Dictatorships</td>
</tr>
<tr>
<td><strong>EUH 4465</strong> Hitler's Third Reich</td>
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<tr>
<td><strong>EUH 4500</strong> English History to 1485</td>
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<tr>
<td><strong>EUH 4501</strong> English History: 1485-1815</td>
</tr>
<tr>
<td><strong>EUH 4502</strong> British History: 1815-Present</td>
</tr>
<tr>
<td><strong>EUH 4571</strong> History of Russia to 1801</td>
</tr>
<tr>
<td><strong>EUH 4574</strong> History of Russia: 1801-1917</td>
</tr>
<tr>
<td><strong>EUH 4576</strong> History of Russia in the 20th Century</td>
</tr>
<tr>
<td><strong>EUH 4620</strong> European Great Powers: 1815-1914</td>
</tr>
<tr>
<td><strong>HIS 4150</strong> History and Historians</td>
</tr>
<tr>
<td><strong>HUM 2212H</strong> Honors Humanistic Tradition I</td>
</tr>
<tr>
<td><strong>HUM 3320</strong> Contemporary Multicultural Studies</td>
</tr>
<tr>
<td><strong>HUM 3394</strong> Representations of Place and Space</td>
</tr>
<tr>
<td><strong>HUM 3401</strong> Asian Humanities</td>
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<tr>
<td><strong>HUM 3431</strong> Ancient Humanities</td>
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</tbody>
</table>
The College Level Academic Skills (CLAS) requirement is part of Florida’s system of educational accountability that measures a student’s attainment of the college-level communication and mathematics skills commensurate with successful completion of lower division course work identified by the faculties of community colleges and state universities through the College-Level Academic Skills Project (CLASP).

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

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

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

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

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

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

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

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

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

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

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

Admission to the Upper Division
To be classified as an upper division student at the University of Central Florida, a student must complete the following:
1. A minimum of 60 credit hours of academic work;
2. The English and mathematics requirements of the Gordon Rule;
3. Passing scores on three of the four parts of the CLAST; and,
4. One year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation Application Deadline
Students must complete the “Intent to Graduate” online at https://my.ucf.edu in the term preceding the one in which they intend to graduate (see the “Academic Calendar” for specific dates). Students who have not applied for graduation by the last day of classes in the term preceding the graduation term may not be listed in the Commencement Program. Students must be enrolled at least one term before the term of graduation. Graduates may contact the Registrar’s Office for Commencement ceremony and guest ticket information or refer to http://www.registrar.sdes.ucf.edu/commencement.

Successful completion of the degree requirements stated in the Undergraduate Catalog under which the student plans to graduate shall constitute a recommendation of the respective college faculty that the degree be awarded, assuming the student is in good standing at the University. A student must complete all requirements for a baccalaureate or graduate degree no later than the date of the Commencement. A student may not be enrolled as a transient student in another institution during the term in which the baccalaureate degree or the Associate of Arts degree is to be awarded.

Correspondence Courses
The University of Florida’s Division of Continuing Education, Department of Independent Study by Correspondence administers all correspondence instruction for the State University System of Florida (SUS). College credit, high school credit, and continuing professional education courses are available through regular mail and Fax (several by e-mail). Independent Study offers more than 150 courses to students who would like a flexible schedule or an opportunity to take extra courses in their spare time. It is possible to earn college credit any time during the year.

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

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

Double Majors

- A student may earn one degree, a BA or BS, with two majors, by completing the requirements for both majors. One diploma will be awarded with both majors indicated. Students earning a double major must use the same Catalog year for both majors.

Two Degrees

- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned. The university Catalog will stipulate combinations of degrees within colleges that are not allowed.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.

More Than Two Majors, or More Than Two Degrees, or a Combination

Students attempting multiple majors or degrees beyond two must consult with the Registrar’s Office for coordination among degree programs. Responsibility for doing so rests with the student. The stipulations for two majors and/or two degrees will apply as well as other minimum amount of hours and prohibitions about combinations.

Graduates from regionally accredited four-year U.S. institutions who apply for admission to work toward a second baccalaureate degree at UCF must meet the regular admission requirements of the major department and the UCF residency requirement of 30 additional credit hours for that degree. Students holding the baccalaureate degree from regionally accredited U.S. institutions are considered to have completed CLAST, Gordon Rule, foreign languages, and General Education Program Requirements. Students who hold degrees from non-regionally accredited U.S. institutions and foreign institutions may be required by the Office of Academic Services (MH 210) to fulfill all or part of the UCF General Education Program requirements as stipulated in the UCF Catalog.

The University requirements specified in the preceding paragraphs are minimum requirements. Departments and colleges may require more than 150 credit hours for a second degree or more than 30 credit hours to be taken in residence at UCF. Students should confirm department, school, and college requirements with their academic advisors.
ACADEMIC REGULATIONS AND PROCEDURES

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

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

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

Terms and Credit Hours
The University of Central Florida academic schedule consists of two semesters (Fall and Spring), and the Summer term. The graduation credit value of each course of instruction is stated in terms of credit hours and is based on the space-available basis. Forms to be completed by the student include the "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic/.

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

Excess Hours
Effective Fall 2009, students entering a Florida community college, state college, or state university for the first time in Fall, 2009, and thereafter, will be subject to the state statute on excess hours which could result in a surcharge on tuition. This charge will be applied for each semester hour of credit hours in excess of 12 credit hours per semester. Classes may be offered for a six-week or nine-week session during the Summer term. During this shortened term, two class hours of work (or four or more laboratory hours of work) per week are required to represent a semester hour of credit.

Undergraduate Enrollment Status

<table>
<thead>
<tr>
<th>Credit Hours</th>
<th>Determination</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 or more</td>
<td>Graduation and post-baccalaureate</td>
</tr>
<tr>
<td>6-11</td>
<td>Credit hours</td>
</tr>
<tr>
<td>less than 6</td>
<td>Less than Half Time</td>
</tr>
</tbody>
</table>

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

State of Florida Employee & UCF Employee Registration
State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available basis. Forms to be completed include the "Fee Schedule" in the "Financial Information" of the Undergraduate Catalog.

State Tuition Exemption Program (STEP)
State Tuition Exemption Program (STEP-National Guard) Registration
State Tuition Exemption Program (STEP-National Guard) Registration is on a space-available basis during the last term at the time specified on the "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic. For waiver eligibility and application information, see “Tuition Waivers” within “Financial Information” of the Undergraduate Catalog.

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) in a semester of instruction. Forms to be completed include the "Senior Citizen Audit Application" and "Senior Citizen Audit Registration Form". These forms are available in the Registrar's Office (MH 161) or at the Registrar's web site: http://www.registrar.ucf.edu. It is necessary to complete the required forms during the last week of registration as noted in the "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and textbooks.

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

UCF Students Attending Another Florida Public Institution
UCF students who desire to attend another Florida Public institution as a Transient Student are encouraged to complete the "Transient Citizen Audit Application" and "Senior Citizen Audit Registration Form". These forms are available in the Registrar's Office (MH 161) or at the Registrar's web site: http://www.registrar.ucf.edu. It is necessary to complete the required forms during the last week of registration as noted in the "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic. Direct student expenses after the completion of registration include the campus ID card, vehicle registration and textbooks.

State University System (SUS)

State of Florida employee and UCF employee enrollment into courses for which the employee will seek a tuition waiver will occur on a space-available basis only on the last day of registration each term. See the "Fee Schedule" in the "Financial Information" of the Undergraduate Catalog.

Regulations & Procedures
For waiver eligibility and application information, see “Tuition Waivers” within “Financial Information” of the Undergraduate Catalog.

May 2009, the deadline to drop classes without fee liability and a W grade is one day earlier than the last day to add classes. Please consult the Academic Calendar for Drop, Add, and Withdrawal deadlines.

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 "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic/.

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

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

Holds
A hold (negative service indicator) may be placed on a student's records, transcripts, grades, diplomas or registration due to financial or other obligations to the University. Satisfaction and clearance of the hold 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 to the Cashier's Office must be made either in cash, credit card, cashier's check, or money order.

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the "Academic Calendar"). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Drop/Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/ Swap or Add period may be dropped the next business day in the Registrar's Office, MH 161. If a student drops courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or will be fee liable and receive a grade. For withdrawal after the Drop/Swap period, refer to the "Withdrawal Policy" of the Undergraduate Catalog. Please note that, beginning
Student Form" online, which is available on the FACTS Web site at http://www.facts.org under "College Students" > "Transferring". Students wanting to attend a Florida private institution or an institution outside the State of Florida may obtain a printed form from UCF Registrar’s Office. The prior permission of the department, school, and college advising office is required to ensure that the courses attempted at another institution will transfer and meet the UCF Degree/General Education Program requirements.

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

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

Withdrawal Policy
Withdrawal for each term begins after the drop deadline. Students remain fee liable for any courses from which they withdraw. Students may withdraw from a class and receive the notation of "W" until the deadline noted in the "Academic Calendar" online at http://www.registrar.ucf.edu/calendar/academic. A student may withdraw from courses using myUCF at https://my.ucf.edu, or by visiting the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus records office. Students may withdraw by fax at 407-823-5692. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students may also mail a written request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives written request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. If a student withdraws from a course after the close of the Withdrawal deadline, the student is unable to finish the term. Medical withdrawals can only be approved in cases where the student is unable to finish the term.

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

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

If a medical withdrawal is approved, a "WM" will be recorded for each course. Students who receive a medical withdrawal will be placed on hold for any subsequent semester until the University can determine that the student is ready to return. If a medical withdrawal is approved, it is expected that the student not enroll at the University in the immediate next term, but will use that time to address the medical condition that necessitated the withdrawal. It is the student’s responsibility to drop all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of "WP" or "WF" will be recorded. A grade of "WF" will affect the calculation of the student’s grade point average.

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

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

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

Withdrawal and Academic Behavior Violations
Should an alleged violation of academic behavior standards arise before the withdrawal deadline in a term, the instructor shall notify the student and record the alleged violation. If the student desires to withdraw from the course, the process shall be initiated by the student at the unit head who will notify the University Registrar that the student desires to withdraw. However, if the student appeals the academic action and the appeal is resolved in favor of the student, the University reserves the right to assign the appropriate grade for the course.

Academic Regulations and Procedures

**Grades Semester Hour of Credit**

<table>
<thead>
<tr>
<th>Grade</th>
<th>4.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</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>2.25</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>
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</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>NC</td>
<td>No Credit</td>
</tr>
</tbody>
</table>
Grade Change

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

Grade Reports

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

Attendance, Absences, or Unsatisfactory Work

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

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a “Program Verification” form. Program Directors shall provide each student with a copy of this form. It is the student’s responsibility to present a copy of this form to the faculty member(s) responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

Absences from classes for court-imposed legal obligations (e.g., jury duty and subpoenas) must be excused. The student may offer other sound reasons. When absences threaten a student’s satisfactory completion of a course, the instructor may report the absences 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/.
charged with a violation of the law (including traffic violations that resulted in a fine of $200 or more) may have circumstances of the case reviewed by the Office of Student Conduct (FC 154) to consider eligibility for admission.

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

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

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

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

- Freshman: 0-29 credit hours
- Sophomore: 30-59 credit hours
- Junior: 60-89 credit hours
- Senior: 90 or more credit hours, prior to completion of baccalaureate requirements
- Post-Baccalaureate:
Any student enrolled in courses, regardless of course level (except one working toward another baccalaureate degree), who has a baccalaureate degree but has not been admitted to a graduate program. All post-baccalaureate students are considered as non-degree undergraduates for all University policies and procedures.

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

Other Student Classifications:
Auditor:
A student registered for any credit course who is not seeking credit.

Co-op Student:
A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignments and 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 did not earn any “I,” “U,” “N,” “NC” or “WF” grades during a term. Hours utilized in the awarding of a President’s Honor Roll Certificate may not be utilized in the determination of a subsequent certificate.

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

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

1. Attain an overall grade point average (this includes transfer credit) that is in the upper 10 percent of the range established by all students graduating in the same college/school during the previous two years;
2. Attain at least a 3.20 overall grade point average; and
3. Honors awarded will be:
   Summa Cum Laude for those students in the upper 2.5 percent
   Magna Cum Laude for those students in the upper five percent, but not in the upper 2.5 percent
   Cum Laude for those students in the upper 10 percent, but not in the upper five percent

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

Consult the Academic Honors list at http://www.iroffice.ucf.edu/character/honorscutpoints.html for the most up-to-date UCF Honors minimum GPA requirements.

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

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

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

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student’s official transcript. The original course grade will be marked with an “R” to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an “R.” The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an “T” 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 offer Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida Public Community College or State University. Grade forgiveness awarded within a bachelor’s degree from a Florida State System institution is not honored at UCF. UCF’s Grade Forgiveness policy may not be honored by other colleges, universities, professional schools, or national testing associations.

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

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

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

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

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

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

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

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

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

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

For readmission purposes only, “grade point deficiency” is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

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

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently receive an A.A. degree with a minimum “C” average (2.0 GPA) on all college work attempted from a Florida public community college has the right to apply 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 previously attended, or is currently enrolled at UCF;
3) the student failed to enroll or withdrew from all classes during the readmitted term; or,
4) the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor’s degree.

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

Readmission Following Non-Enrollment for Two Consecutive Semesters
The student must complete and submit the “Readmission Application Form,” available at the Registrar’s Office or online at http://www.registrar.ucf.edu. If the student has attended another regionally accredited institution since leaving UCF, the student must request an official transcript be sent to the Registrar’s Office. If the student was previously admitted to a UCF limited-access program, the student will be placed in pending status for that major and must apply to the College for readmission to the program. Plus or minus grades will transfer for course work earned Fall 2001 and after using UCF’s grade point system.

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

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

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

 Registrations & Procedures
Academic Regulations and Procedures

Readmission Following Suspension: Disqualification, with a Grade Point Deficiency of Less than 30 Grade Points

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

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

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

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

The Registrar's Office will review the readmission application only when it receives all 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 apply for an exception to this policy to the Admissions and Standards Committee. See “Right of Appeal” below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.

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

Students who are disqualified (with a grade point deficiency of 30 grade points or more) are not eligible for readmission to the University. The Registrar’s Office will deny readmission to ineligible students. A student denied readmission by the Registrar’s Office has thirty (30) days from the date of the denial to appeal that decision to the Admissions and Standards Committee. See “Right of Appeal” below for details. Disqualified students are limited to one readmission appeal during the disqualification period and one appeal per 12-month period following the disqualification period.

Limitations on the Number of Readmission Appeals

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

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

Non-Academic Admission Clearances

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

Appeal

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

Admissions and Standards Committee

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

Right of Appeal

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

1. Complete the “Application for Readmission as an Exception to University Policy Form,” available at the Registrar’s Office (MH 161);
2. Prepare a written statement specifying the extenuating circumstances that led to their poor academic performance or academic dismissal.
   a. The written statement should be limited in length to one type page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID).
   b. An “Application for Readmission as an Exception to University Policy” form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar’s Office will forward this transcript to the Admissions and Standards Committee;
Name Changes
To change the legal name maintained on the student’s official UCF record, the student must submit a completed “Change of Name” form and supporting documentation to the appropriate UCF office. Attach to the form a copy of a legal name change document (e.g., marriage certificate, divorce decree, etc.). Undergraduate students must submit the form to the Registrar’s Office (MH 161). Graduate students must submit the form to the Graduate Studies Office (MH 230). Current UCF employees and those students who have been UCF employees within 12 months of the date the name change is requested must submit the form to the Human Resources Office (12565 Research Parkway). The “Change of Name” form is available from the Registrar’s Office at MH 161 or online at http://www.registrar.ucf.edu.

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

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

A $10 per transcript charge is assessed for each transcript request. Payment for official transcripts is required at the time of request and may be satisfied by credit card, cash, check or money order (made payable to UCF), or UCF Card. Requests received by mail must be accompanied by a check, money order, or credit card information (i.e., card type, card number, 3-digit Security Number, expiration date, and the name to which the card is registered.) Cash payments can be accepted only by the Cashier’s Office at 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 the 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 Surcharge
All students enrolled in undergraduate courses for the Fall 1997 term and beyond are subject to an additional surcharge fee when they enroll in the same undergraduate college credit course three or more times. Completed courses, withdrawals, and courses with incomplete grades are counted as attempts, including courses repeated in order to raise the GPA or to achieve a specific grade. Courses that specify they may be repeated for credit are exempt. Students seeking exemptions for extenuating circumstances or financial hardship may submit a written petition with documentation to the Fee Appeals Committee, Student Accounts Office (MH 107).

Exemptions to the third attempt surcharge will be considered through a Fee Appeal Process. Exceptions to the repeat course fee requirement shall be based only on extenuating circumstances, or financial hardship.

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

Academic 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, any grades nullified by satisfactory completion of the Academic Amnesty Program are not used in calculating the student’s UCF GPA, all course work will remain part of the student’s permanent record.

To apply for entrance into the Academic Amnesty Program, the student must:
1) Gain the written support for the Academic Amnesty Program from the student’s college or school and present to the Admissions and Standards Committee an academic plan of action approved by the college advising office. This plan will include the following:
a. The specific terms of the student’s academic history to be nullified by satisfactory completion of the Academic Amnesty Program;
b. Approved courses in which the student will enroll during the two terms that comprise the Academic Amnesty Program;
c. Any additional requirements mandated by the college advising office (i.e., academic advising or mentoring, required tutoring or academic support services, etc.); and,
d. Complete and submit an Academic Amnesty Agreement to the Admission and Standards Committee.
2) The UCF Admissions and Standards Committee will determine a student’s eligibility for entrance into the Academic Amnesty Program. The student will be required to appear before the Admissions and Standards Committee.


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

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

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

Financial Hardship:
Should include, but not be limited to, the following:
1) Qualification for federal need-based financial aid; or,
2) Other documented financial hardship may be considered.

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

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 credit earned from CLEP, Dual Enrollment, AP and IB). An administrative Hold to prevent future university registration will be placed on the records of all students that have not declared a major. Students must meet with an academic advisor (within Student Development and Enrollment Services, the Colleges, or Regional campuses) to have the hold released.

Majors
The University assigns the major that the student indicated on the "Application for Admission or Readmission." It is the student's responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an "Undeclared" or "Undecided" major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. Students may retain their Catalog when changing tracks/concentrations within the same major (e.g., English: Literature to English: Creative Writing), retain their Catalog when initially selecting a major. If they have not interrupted residence, or "Undecided" major also must adopt the most current Catalog. Majors between different colleges must adopt the most current Catalog.

"Application for Admission or Readmission." It is the student's responsibility to make appropriate major changes. Students who change majors between different colleges must adopt the most current Catalog. Students changing from a declared major to an "Undeclared" or "Undecided" major also must adopt the most current Catalog. For each of these students, the University automatically will update the Catalog year when processing the change in major. If they have not interrupted residence, or "Undecided" major also must adopt the most current Catalog.

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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 the same UCF Undergraduate Catalog for which a student is eligible. The Undergraduate Certification form is available at the college advising offices.

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

Family Educational Rights and Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records are based on state regulations and the federal Family Educational Rights and Privacy Act of 1974. FERPA affords students certain rights with respect to their education records. They are:
1. The right to inspect and review the student’s education records within 30 days of the day the University receives a written request for access. Students should submit to the University Registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they desire to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed;
2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading. The student may ask the University to amend a record that he or she believes is inaccurate or misleading. The student should write the University official responsible for the record, clearly identify the part of the record to be changed, and specify why the current record is inaccurate or misleading. If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing;
3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception that permits disclosure without consent is disclosure to school or educational officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, National Student Clearinghouse, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility; and
4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by a State University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

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

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

- name
- current mailing address
- telephone number
- date of birth
- major field of study
Higher Education Act
List, descriptions, and sources of information required for disclosure
university's documents and procedures for confidentiality.
Informal communication with the University Registrar's Office may be
information through the Directory Service, by mailing a signed consent
to withhold any or all information, including "directory information." All
University extends to students the opportunity to withhold any or all
students to the opportunity to withhold any or all information, including "directory information." All
The Golden Rule outlines the University procedures for confidentiality. For additional information describing FERPA policy, visit the Department of Education Family Policy

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

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<td>Studio Art: 2-D Design</td>
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<td>United States History</td>
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<tr>
<td>World History WOH 2022</td>
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</table>

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

## Advanced Placement Latin

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

## International Baccalaureate Program (see table below)

Students who have participated in the International Baccalaureate program in high school may receive a maximum of 30 hours of credit.

## COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

<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>
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<td>BSC 1005/1005L and BSC 2010C</td>
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<tr>
<td>Business Management</td>
<td>GEB 201</td>
<td>SCI Found 1</td>
<td>GEB 2011 and 2905</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Chemistry</td>
<td>CHM 1100</td>
<td>MATH Found 2</td>
<td>CHM 1100 and CHM 2045C</td>
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</tr>
<tr>
<td>Computer Science</td>
<td>CGS 1078</td>
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<td>CGS 1078 and 1906</td>
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</tr>
<tr>
<td>Design Technology</td>
<td>ETI 1410</td>
<td>SCI Found 2</td>
<td>ETI 1410 and 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Economics</td>
<td>ECO 1000</td>
<td>SCI Found 1</td>
<td>ECO 1000 and 1906</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Ecosystems and Societies</td>
<td>EVR 1017</td>
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<td>EVR 1017 and 1906</td>
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<tr>
<td>English</td>
<td>ENC 1101</td>
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<td>ENC 1101 and 1906</td>
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<td>Environmental Systems</td>
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<td>ISG 1050 and 1906</td>
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<tr>
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<td>SCI Found 2</td>
<td>FIL 1001 and 1906</td>
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<td>FRE 1121</td>
<td>SCI Found 2</td>
<td>FRE 1121 and 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Further Mathematics</td>
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<td>SCI Found 2</td>
<td>MHF 1202 and 1906</td>
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<td>SCI Found 2</td>
<td>GEA 1200 and 1906</td>
<td>SCI Found 2</td>
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<td>German</td>
<td>GER 1121</td>
<td>SCI Found 2</td>
<td>GER 1121 and 1906</td>
<td>SCI Found 2</td>
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<td>WOH 1030 and WOH 1999</td>
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<td>IDS 1000 and 1906</td>
<td>SCI Found 2</td>
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<td>ASH 1906 and 1906</td>
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<td>SCI Found 2</td>
<td>MAC 1105 and 1140</td>
<td>SCI Found 2</td>
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<tr>
<td>Math Studies</td>
<td>MAT 1033</td>
<td>SCI Found 2</td>
<td>MAT 1033 and MGF 1106</td>
<td>SCI Found 2</td>
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<td>Mathematics</td>
<td>MAC 1147</td>
<td>SCI Found 2</td>
<td>MAC 1147 and 1906</td>
<td>SCI Found 2</td>
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<tr>
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<td>SCI Found 2</td>
<td>MUL 2010 and MGF 1106</td>
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<tr>
<td>Philosophy</td>
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<td>PHI 2010 and 1906</td>
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<td>PHY 1010 and 1906</td>
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<tr>
<td>Social Anthropology*</td>
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<td>ANT 2410 and 1906</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish</td>
<td>SPN 1121</td>
<td>SCI Found 2</td>
<td>SPN 1121 and 1906</td>
<td>SCI Found 2</td>
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<td>ART 1012 and 1906</td>
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*This use for General Education applies only to I.B. credit.

## Scale Score of 50 for passing

<table>
<thead>
<tr>
<th>Scale Score</th>
<th>GEP Usage</th>
<th>Comments</th>
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<td>1-5</td>
<td>UNA 100</td>
<td>Score of 40 or higher</td>
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<tr>
<td>6-9</td>
<td>UNA 101</td>
<td>Score of 50 or higher</td>
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<td>10-14</td>
<td>UNA 200</td>
<td>Score of 60 or higher</td>
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<tr>
<td>15-17</td>
<td>UNA 300</td>
<td>Score of 70 or higher</td>
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<td>18-21</td>
<td>UNA 400</td>
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<tr>
<td>22-24</td>
<td>UNA 500</td>
<td>Score of 90 or higher</td>
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*Scores above 24 are valid for the General Education Program (GEP).

## GEP Usage

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<tr>
<th>Course</th>
<th>Score Required</th>
<th>Credits</th>
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<tbody>
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<td>Accounting, Financial</td>
<td>ACG 1001</td>
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<td>Accounting, Principles of</td>
<td>ACG 1001</td>
<td>4</td>
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<tr>
<td>Algebra, College</td>
<td>MAC 1105</td>
<td>3</td>
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<tr>
<td>Algebra-Trigonometry, College</td>
<td>MAC 2147</td>
<td>4</td>
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<tr>
<td>American Government</td>
<td>POS 2041</td>
<td>3</td>
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<tr>
<td>American Literature</td>
<td>AML 1000</td>
<td>3</td>
</tr>
<tr>
<td>Biology, General</td>
<td>BSC 1006</td>
<td>4</td>
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<tr>
<td>Business Law, Introduction to</td>
<td>BUL 1241</td>
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<tr>
<td>Calculus</td>
<td>MAC 2233</td>
<td>4</td>
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<tr>
<td>Chemistry, General</td>
<td>CHM 1100</td>
<td>3</td>
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<tr>
<td>College Composition</td>
<td>ENC 1101 and ENC 1102</td>
<td>3</td>
</tr>
<tr>
<td>Educational Psychology, Introduction to</td>
<td>EDP 1002</td>
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<td>English Composition with Essay</td>
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<td>English Literature</td>
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<tr>
<td>French Language</td>
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<tr>
<td>German Language</td>
<td>GER 1120C</td>
<td>4</td>
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<tr>
<td>History of the United States I: Early Colonizations to 1877</td>
<td>AHM 2010</td>
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<tr>
<td>History of the United States II: 1865 to Present</td>
<td>AHM 2020</td>
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<td>Human Growth and Development</td>
<td>DEP 2004</td>
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<td>Humanities</td>
<td>HUM 2250</td>
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<tr>
<td>Information Systems and Computer Applications</td>
<td>CGS 1077</td>
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<td>Macroeconomics, Principles of</td>
<td>ECO 2013</td>
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<tr>
<td>Management, Principles of</td>
<td>MAN 201</td>
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<tr>
<td>Marketing, Principles of</td>
<td>MAN 210</td>
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<tr>
<td>Mathematics, College</td>
<td>MGF 1106</td>
<td>4</td>
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<tr>
<td>Microeconomics, Principles of</td>
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<tr>
<td>Precalculus</td>
<td>MAC 1140</td>
<td>4</td>
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<tr>
<td>Psychology, Introductory</td>
<td>PSY 2012</td>
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<tr>
<td>Sociology, Introductory</td>
<td>SYG 2000</td>
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<tr>
<td>Spanish Language</td>
<td>SPN 1120C</td>
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<tr>
<td>Trigonometry</td>
<td>MAC 1114</td>
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<tr>
<td>Western Civilization I: Ancient Near East to 1648</td>
<td>EHU 2000</td>
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<tr>
<td>Western Civilization II: 1648 to Present</td>
<td>EHU 2001</td>
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</table>
Language B (most common)

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

Language A2 (language and literature courses for highly proficient speakers; uncommon in Florida)

No direct equivalent. Content of Language A2 varies widely. Minimum 3 credits language or literature for score of 4, 6 credits of language or literature for a score of 5-7.

---

**CAMBRIDGE AICE EXAMS**

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
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<td>Accounting (AS-Level)</td>
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<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
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<tr>
<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>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
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<tr>
<td>Biology (A-Level)</td>
<td>BSC 2010C and BSC 1906</td>
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</tr>
<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
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</tr>
<tr>
<td>Business Studies (A-Level)</td>
<td>GEB 2011 and GEB 2005</td>
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<tr>
<td>Classical Studies (AS-Level)</td>
<td>CLA 1010</td>
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<tr>
<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
<td>SCI Found 1</td>
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<tr>
<td>Computing (AS-Level)</td>
<td>CGS 1010</td>
<td>SCI Found 1</td>
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<tr>
<td>Computing (A-Level)</td>
<td>CGS 1073 and CGS 1074</td>
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<tr>
<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 1482C</td>
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<tr>
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<td>ETI 1482 and ETI 1906</td>
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<td>Economics (A-Level)</td>
<td>ECO 2013 and ECO 2023</td>
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<tr>
<td>English (AS-Level)</td>
<td>ENC 1101</td>
<td>COM Found 1</td>
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<tr>
<td>English - Literature in English (A-Level)</td>
<td>ENC 1101 or ENC 1102</td>
<td>COM Found 2</td>
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<tr>
<td>Environmental Science (AS-Level)</td>
<td>EVR 1001C</td>
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<tr>
<td>French Language (AS-Level)</td>
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<td>French (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<td>French Literature (A-Level)</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
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<tr>
<td>General Paper</td>
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<td>Geography (AS-Level)</td>
<td>GES 1000</td>
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<tr>
<td>German Language (AS-Level)</td>
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<td>German (A-Level)</td>
<td>GER 1121 and GER 2200</td>
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<td>HIS 1906 (6 credits)</td>
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<td>PHY 2053C and 2054C</td>
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<td>SYG 2000</td>
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<td>SYG 2000</td>
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<td>HFT 1000 and HFT 1906</td>
<td>SCI Found 2</td>
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</table>

*If the student has previous credit for ENC 1101, credit will be awarded for ENC 1102.
**If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 2100.
in the CLEP examination area; c) does not receive comparable college credit in the CLEP examination area in the same term the examination is taken or in a subsequent term; d) has not previously completed, failed, or received credit by UCF (transfer or otherwise) in a more advanced course in the examination area; and e) does not complete nor receive credit by UCF (transfer or otherwise) in a more advanced course during the term in which the CLEP examination is taken.

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

### CLEP Language Examinations

A score of 50 on any of the language exams earns a minimum of one semester (4 credits) of Elementary Language I or equivalent level (generally numbered 1120). A score at or above the second CLEP threshold level (generally numbered 59 for French, 60 for German, or 63 for Spanish) earns a minimum of two semesters (8 credits) of Elementary Language I and II or equivalent level (generally numbered 1120C-1121C). No literature credit is 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 examinations. 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 hour residency requirement. Credit by examination will not be given for any course lower in content than courses in the same discipline in which students are currently enrolled or which they have already completed or failed. Permission to take an examination is approved by the chair of the department and the dean of the college in which the course is offered.

### Cambridge AICE Exams (see table on previous page)

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

### DANTES Examination Credit (see table below)

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

### Excelsior College Examinations (see table below)

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

### DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tbody>
<tr>
<td>Art of the Western World</td>
<td>ARH 2000</td>
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<tr>
<td>Astronomy</td>
<td>AST 2002</td>
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<tr>
<td>Business Law II</td>
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<tr>
<td>Business Math</td>
<td>QMB 1001</td>
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<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
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### EXCELSIOR COLLEGE EXAMINATIONS TABLE

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<th>Exam Title</th>
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International Studies

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

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

Study Abroad Programs

http://www.studyabroad.ucf.edu

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

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

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

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

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

Experiential Learning (Office of), Undergraduate Studies

Director: Sheri Dresser; Ferrell Commons, Suite 203; 407-823-2687; http://www.explearning.ucf.edu

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

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

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

- Internships are available to students on all campuses in all Colleges. They are courses that provide one-term of major or career-related work experience, structured for learning with reflection, supervision and evaluation, paid or unpaid, and most often for credit. Internships usually occur during summers or toward the end of a student’s program of study and can be part-time (usually during the school year) or full-time (usually during summers). They are available through the Office of Experiential Learning or through other academic departments in Colleges. Contact information for department internship coordinators is on the Experiential Learning web site.

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

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

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

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

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

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

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

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

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

Institutes and Centers for Research
The Biomolecular Science Center
Director: P.E. Kolattukudy, BL 136; 407-823-1312; Fax: 407-823-0956

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

Center for Economic Education
Director: Robert L. Pennington; BA2 303E; 407-823-2640

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

Dick Pope, Sr. Institute for Tourism Studies
Director: Abraham Pizam; 9907 Universal Blvd., Suite 231-A Orlando, FL 32819, 407-903-8010; Associate Director: Roberto Croes; 9907 Universal Blvd., Suite 219-C, Orlando, FL 32819, 407-903-8028; E-mail: DPI@mail.ucf.edu

The purpose of the Dick Pope Sr. Institute for Tourism Studies is to improve the quality of the tourism product while increasing the benefits of tourism for the industry, state of Florida, and local communities. The Institute involves itself in a variety of research projects and educational programs. Research includes the collection, development, and dissemination of information relevant to the tourism and hospitality industry in the areas of: marketing, consumer behavior and visitor satisfaction, feasibility studies, economics, motivation, and forecasting.

- Some of the Institute’s patrons include tourism promotion agencies at the state and local levels; tourism development commissions; professional associations; and private enterprises such as attractions, hotels, resorts, restaurants and other food-service establishments, ground and air transportation companies, travel agencies and tour operators, and other related businesses. The Institute devotes significant efforts to educating the public about the tourism industry on state and international levels, as well as its contribution to the social and economic welfare of the community at large.

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

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

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

- The Center serves as a valuable resource in executive training and development by offering programs that address critical issues for managers and business leaders. These programs are offered in a variety of formats suitable for any individual or corporation through:
  - Executive MBA Program
  - Professional MBA Program
  - Professional Masters Programs
  - Customized corporate programs
  - Conference services
  - Public enrollment programs
  - International seminars and exchange programs

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

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

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

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

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

The John Scott Dailey Florida Institute of Government at the University of Central Florida
Director: Marilyn Crottly; 407-882-3960, Fax 407-882-3968

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

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

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

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

The Florida Space Institute provides unique, practice-based educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources, FSI supports member schools and other educational and commercial customers, providing opportunities for student involvement in real-world space programs. FSI is a State of Florida head-quartered at UCF, but has 10 member schools statewide. Because FSI is located at the Space Center and not on the UCF campus, the programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station locations. Typical research areas include small satellite innovations, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

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

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

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

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

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

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

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

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

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

Institute of Statistics and Data Mining

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

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

Oak Ridge Associated Universities (ORAU)

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

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

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

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

Small Business Development Center (SBDC)

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

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

- Start-Up
- Finance
- Operations
- Technology
- Strategic Planning
- Development
- Management
- Marketing
- Accounting
- Technology
- Business Plan Development

Additional programs for leaders of growing businesses are also offered as follows: Advisory Board Council, CEO Xchange, Small Business Institute, and Strategic Workshop Series, in addition to two special programs of PTAC and SBRN.
ACADEMIC DEGREES, MAJORS AND MINORS

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

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

Baccalaureate Degrees

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

College of Arts and Humanities
Bachelor of Arts (B.A.)
Majors: Art, Digital Media, English, Film, French, History, Humanities, Modern Language Combination, Music, Philosophy, Religious Studies, Spanish, Theatre, Theatre Studies

Bachelor of Design (B.Des.)
Major: Architecture

Bachelor of Fine Arts (B.F.A.)
Majors: Art, Film, Theatre

Bachelor of Music (B.M.)

Bachelor of Music Education (B.M.E.)

Bachelor of Science (B.S.)
Majors: Photography

College of Business Administration
Bachelor of Science in Business Administration (B.S.B.A.)
Majors: Accounting, Business Economics, Finance, General Business Administration, Management, Marketing, Real Estate

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

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

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

Bachelor of Education (B.Ed.)
Major: Early Childhood Education

College of Engineering and Computer Science
Bachelor of Science (B.S.)
Majors: Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.Eng.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.)
Major: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration

Bachelor of Science (B.S.)
Majors: Athletic Training, Communication Sciences and Disorders, Criminal Justice, Health Informatics and Information Management, Health Sciences, Health Services Administration, Legal Studies, Public Administration,

Bachelor of Social Work (B.S.W.)
Major: Social Work

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

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

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

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

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

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

Office of Undergraduate Studies
Bachelor of Applied Science (B.A.S.)
(Regional campuses only)
Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies

Bachelor of Science (B.S.)
Major: Interdisciplinary Studies
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<th>College Awarding Minor</th>
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<tr>
<td>College of Business Administration</td>
<td>Accounting, Business, Economics, Entrepreneurship, Finance, International Business, Marketing, Real Estate, Sport Business Management, Technological Entrepreneurship</td>
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<tr>
<td>Rosen College of Hospitality Management</td>
<td>Hospitality Management</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
</tr>
</tbody>
</table>

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

**Graduate Programs**

See description at the beginning of each college section. For further information on a particular program or graduate fellowships, contact the departmental office in the respective college or see the Graduate Catalog: [http://www.graduate.ucf.edu/catalog/](http://www.graduate.ucf.edu/catalog/).
The Burnett Honors College

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

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

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

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

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

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

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

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

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

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

Summary Table of University Honors Requirements

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<th>Honors Requirements</th>
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The current upper-division requirements are as follows:

- **University Honors Upper-Division Program Requirements:**
  - College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, and Medical Laboratory Sciences, Engineering Technology, Information Technology, Information Systems Technology, Economics (B.A.) and Interdisciplinary Studies majors
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division courses or Interdisciplinary Seminars

- **University Honors Upper-Division Program Requirements:**
  - College of Business Administration (excluding Economics (B.A.))
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Business courses

- **University Honors Upper-Division Program Requirements:**
  - College of Engineering and Computer Science excluding Computer Science, Information Technology, Information Systems Technology and Engineering Technology
  1. Complete one Honors Interdisciplinary Seminar outside the student’s department of major (although it may be within the College of Engineering and Computer Science)
  2. Complete two Honors upper-division Engineering courses

Acceptable Waivers

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

Notes

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

Honors in the Major (HIM) courses do NOT count for University Honors requirements. However, EGN 4931H and NUR 3165H can count for HIM Directed Readings.
UCF/USF Accelerated Medical School Program for Students of The Burnett Honors College
http://www.honors.ucf.edu/Admissions_UCF-USF.asp

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

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

Transfer students are not eligible for this program.

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

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

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

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

Eligibility Requirements

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

Honors in the Major

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

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

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but not more than six hours of Directed Readings course work as determined by the academic department; and at least three but not more than 12 hours of Honors Thesis or Project work taken in the college or department of major. Engineering majors must take EGN 4931H in lieu of Directed Readings and will write a thesis proposal as part of their coursework. Departments or colleges may set additional requirements for Honors in the Major to be completed.

The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the student’s project chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Committee Chair and at least one other member of the thesis committee must be tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major, which must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Research and Civic Engagement of TBHC. The student is required to receive a grade of at least “B” in all Honors in the Major course work to be awarded Honors in the Major.

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

Student-Mentor Academic Research Teams

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

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

Office of Student Scholarship and Fellowship Advisement

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

OSSFA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OSSFA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OSSFA by phone at 407-823-2877, visit BHC 107 or http://www.osssa.honors.ucf.edu.
The College of Arts and Humanities includes the following departments: English, Film, Modern Languages & Literatures, History, Music, Philosophy, and Theatre. The College also houses programs in American Studies, Asian Studies, Judaic Studies, Latin American Studies, Caribbean and Latino/a Studies, Women's Studies, and Middle Eastern Studies. The college also houses the School of Visual Arts and Design, offering degrees in art, architecture, and digital media.

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

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

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

Preprofessional Programs

Prelaw Program

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

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

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

Advisement

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

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

Program Planning

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

Area Studies Programs

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

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

International Study Centers

Undergraduate Inter-institutional Transient Program

The State University System operates study centers in London, England and Florence, Italy during the Fall and Spring semesters. Students with 27 or more credit hours of credit and a minimum GPA of 2.5 or above in all state universities are eligible to apply for one or both semesters as inter-institutional transient students. Faculty at the centers are drawn from the nine state universities. While credits are earned through Florida State University, which administers the program on behalf of the State University System, credits are fully transferable within the System. Students at the Centers are considered to be resident in their home institutions for attendance and degree purposes. Classes at the Florence Center emphasize art history, Italian, social sciences, and the humanities; at the London Center, theatre, business, English, history and the social sciences are emphasized. Field trips and museum visits are common to both. For further information, consult the Office of International Studies at 407-882-2300.

Programs, Tracks, and Degrees

Title                                      Degree

African-American Studies Minor
American Studies Minor
Architecture Minor
Art BA, BFA, Minor, MFA
Asian Studies Minor
Cinema Studies (Film) BA, Minor
Community Arts - PAVE Minor
Dance Minor
Digital Media BA, MA, Certificate, Minor
English BA, MA, Minor, MFA, Ph.D., Certificate
Film BA, MFA
Modern Language Combination BA
French BA, Minor
German BA, Minor
History BA, MA, Accelerated MA, Minor
Humanities BA, Minor
Italian Minor
Jazz Studies Certificate
Judaic Studies Certificate, Minor
Latin American Area Studies Minor
Middle Eastern Studies Minor
Music BA, BM, MA, Minor
Music Education BME
Philosophy BA, Minor
Religious Studies BA, Minor
Spanish BA, MA, Minor
Teaching ESL MA
Theatre BA, BFA, MA, MFA, Minors in Dance, Theatre
Translation and Interpretation Certificate
Women’s Studies Minor, Certificate
College of Arts and Humanities

Departments and Programs

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

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

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

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

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

Degrees: None
Tracks: None
Minors: American Studies

Asian Studies: Program
Contact: Paul Giordano; CNH 523; 407-823-2472

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

Degrees: None
Tracks: None
Minors: Asian Studies

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

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

Degrees: None
Tracks: None
Minors: Community Arts

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


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

Leaders, leading to graduation with honors. Program description follows concentration degree plans.

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

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

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

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

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

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

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


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

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

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

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

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

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

Degrees: None
Tracks: None
Minors: Judaic Studies, Certificate

Latin American, Caribbean, and Latino Studies
Program Director: José Maunez-Cuadra; CNH 201; 407-823-1173; E-mail: jmaunez@pegasus.cc.ucf.edu
http://www.lacs.cah.ucf.edu

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

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

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

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical, and social forces shaping the region. Course work will include classes from the curricula of participating programs (modern languages, history, humanities, Judaic studies, philosophy and political science).

Degrees: None
Tracks: None
Minors: Middle Eastern Studies

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

Faculty: Barone, Cordeiro-Rosa, Decker, Fabery, Fanai, Folse, Garcia, Giordano, Korosy, Leticee, Lopez, Ludwig, Mihay, Montalvo, Naibone, Negy, Pomerleau, Prucha, Pumensky, Redmon, Rivera, Solis, Spina, Stebbins, Tartt, Thompson, Trinquet, Villanueva-Gelfo, Vitanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language.

These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and the Department of Modern Languages and Literatures.

Degrees: French (BA), Spanish (BA, MA), Modern Language Combination (BA), TESOL (MA)

Tracks: None
Minors: French, German, Italian, Spanish

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

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

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

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

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

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

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

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

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

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

Degrees: Theatre (BA, BFA, MA, MFA)
Tracks: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies
Minors: Dance, Theatre

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


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

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

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

Faculty: Oliver, Preston, Santana

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

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

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

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

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

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

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

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

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

- Completion of the University General Education Program or an AA degree from a Florida Public Community College, and a minimum overall GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and “C” or better in each class.
- Completion of all Gordon Rule requirements and CLAS.

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
## College of Business Administration

### BE2010

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

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

### Grade Point Average Requirements

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

### Student Load

A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

### Community/Junior College Transfer Notes

1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACCT 2011 or ACCT 2001 and ACCT 2011, ACCT 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, or (QM 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.

2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of “C” (2.0) or higher will transfer into the program.

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

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

5. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.

7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

### Advisement

**Undergraduate Student Services**

Director: Randall Bumfield; BA 101; 407-823-2184

The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business.

### Programs and Degrees

#### Title

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#### Departments and Programs

**Kenneth G. Dixon School of Accounting**

Director: R. Roberts, Director; BA 437; 407-823-2871

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

Faculty: Allen, Arnold, Benford, Bobek, Desai, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Smith, Sutton, Trompeter, Veil, Welch

**Mission Statement**

The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

### Distinctive Benefits

- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.
- Outstanding pass rates on the CPA exam.

### Degrees

- Accounting (BSBA, MSA, MST, Ph.D.)

### Minors

- Accounting

### Department of Economics

**Chair:** W. Milon; BA2 305-D; 407-823-3266;

E-mail: economics@bus.ucf.edu

**Faculty:** Braun, Buhagiar, Butterfield, Caputo, Dickie, Euzent, Gerring, Gibbs, Harrison, Hofler, Martin, McHone, Milon, Moore, Pennington, Potter, Rustrum, Scroggin, Soksin, Underwood, White, Yang

**Faculty Advisors:** Michael Caputo, BA 302Q, 407-823-1405, E-mail: mcaputo@bus.ucf.edu; D. Scroggin, BA 302U, 407-823-4129; N. Underwood, BA 302N, 407-823-1403

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

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program...
is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

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

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

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

**Minors:**
- Economics

**Department of Finance**

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

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

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

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

**Degrees:** Finance (BSBA), Real Estate (BSBA)
- International Business, Real Estate, Finance
- Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

**General Business**

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

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

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

**Department of Management**

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

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

Tomorrow’s managers must be prepared to meet the challenges of a highly dynamic and rapidly changing business environment. The objective of the Management program is to prepare students for the excitement and opportunities that this presents. To learn about management, students study the processes and techniques of leadership, planning, controlling and staffing of both small and large organizations.

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

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

**Distinctive Benefits**
- Excellent faculty, known for their creativity and enthusiasm in the classroom, and their commitment to students in and out of the classroom.
- A broad-based training that will open up opportunities in high-growth career areas.
- Internships that provide real-world experience and enhanced job opportunities.
- “Hands-on,” applied focus in our courses.

**Degrees:** Management (BSBA), Human Resources (MS)
- General Management, Entrepreneurship, Human Resource Management
- Entrepreneurship

industries, and from among a multitude of career paths.

**Department of Marketing**

**Chair:** R. Michaels; BA 207; 407-823-2108

http://www.bus.ucf.edu/marketing/

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

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

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

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

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

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

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

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

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

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Business Administration are located at: http://www.oeas.ucf.edu/alc/alc_students_cba.htm
College of Education
Dean: Sandra L. Robinson; ED 308; 407-823-5529
http://education.ucf.edu/

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

The role of the College of Education at the undergraduate level is to provide a high-quality education for students in preparation for careers in early childhood, elementary, secondary/K-12, and exceptional education, technical education and industry training, and sports and fitness professions. The College of Education is dedicated to preparing professional educators as reflective practitioners who meet the needs of our schools and society. UCF’s College of Education is the leading source of education baccalaureate degrees in the State of Florida.

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

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

Admission to the College will be granted when students meet the following requirements:

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

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Office of Student Affairs (ED 110) if their major is Education Pending. An appointment is recommended 407-823-3723.
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor’s name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment.
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

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

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

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

Clinical Experiences

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

Clinical experiences provide students with a broad range of instructional opportunities in various school settings developed through cooperative planning with local school district administrators and teachers. Clinical experiences are an integral part of education programs and consist of early practicum experiences, as well as internships. Placement of students is the responsibility of the College of Education’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education’s local partnership districts.

Students must be aware: that certain crimes may prevent placement in internship and/or employment in districts. Each school district follows state guidelines for fingerprinting and some districts have additional requirements.

All applications for internships are accessed at the Clinical Experiences Web site and are approved by the Office of Clinical Experiences.

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

Internship I
Internship I is a three semester hour experience. Students are assigned to work with certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I
Admission to Internship I will be granted to students who have been admitted to the College of Education and who meet the following additional requirements at the time of application.

- Have on file passing scores on all four parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a “C-” (1.75)* or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Complete a formal application for Internship I online by deadlines listed above.
- Meet any special departmental or program requirements
- Be recommended by the faculty of the department of the student’s major.
- The Early Childhood Education program includes a seminar/field experience course in lieu of Internship I.

NOTE: It is highly recommended that students take and pass the FTCE Subject Area Examination before applying for Internship II.

Internship II
Internship II is considered a full-time experience. Students are permitted to enroll in other classes only with the consent of their academic program coordinator and department chair. Internship II is a 12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II
Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors).
- Possess minimum professional preparation GPA of 2.5*
- Possess minimum specialization GPA of 2.5*
- Achieve a “C-” (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation
Program Objectives

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

Scholarship Requirements

Students must meet the following criteria:

- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida Resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee
- Submit two letters of recommendation and current resume
- Complete 40 hours of community service for each year the scholarship is received

Minority Programs in Education (MPIE)

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

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

Student Services

Director, Undergraduate Services: Sandra L. Bulger; ED 110; 407-823-3723
Assistant Director, Undergraduate Services: Andrea Small; ED 110; 407-823-3723
Director, Graduate Services: Andrea Withington; ED 110; 407-823-3723

http://education.ucf.edu/studentservices/

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

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

Graduation Requirements

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

Alternative Certification for Non-Degree Students

All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or masters degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.
Academic Advising Center
Director: Sandra L. Bulger; ED 175; 407-823-0043
Assistant Director: Andrea Small, ED 175; 407-823-2022

The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students.

All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in, appointment, and advising sessions.

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

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


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

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

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

Several graduate level programs are available in the department: Counselor Education, http://www.ucfconsultored.org/Welcome.html
Sport and Fitness, http://pegasus.cc.ucf.edu/~sportfit/

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

Department of Educational Research, Technology and Leadership
Chair: Grant Hayes; ED 209-H; 407-823-4835
Assistant to the Chair: Michelle Spinella; ED 206-B; 407-823-0623

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

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

ERTL is guided by the University mission: “achieving international prominence in key graduate education and research programs, developing a global perspective in the curriculum, promoting inclusiveness and diversity, and helping UCF become America’s leading partnership university, and by the College of Education’s vision of ‘scholarly leadership in the education profession, well-educated students, rigorous curricula, research and scholarship, promotion of social justice, and service.”
The CECS primary mission is to further the knowledge and practice of the engineering and computer science professions nationally and internationally by:

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

**College Core Values**

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

**College Goals**

- A high caliber, diverse College that is recognized for leadership in research and teaching.
- Distinguished, innovative undergraduate programs to provide top-quality education for undergraduates.
- High quality graduate education to meet the needs of Florida and the U.S. and to achieve national and international prominence.
- A model for university outreach, globalization and partnerships
- A college with national and international visibility.
- An inclusive, open and supportive environment for all student, staff, and faculty.

Students who seek a challenging technical career in research and development, design, technical sales, manufacturing, management, teaching, or other professions requiring a methodical, creative solution to problems should seriously consider pursuing an education in engineering or computer science. The internationally-recognized faculty of the College of Engineering and Computer Science, together with its strong curricula of undergraduate and graduate programs, provide an opportunity for ambitious, responsible men and women to become the leaders of our increasingly technological world. Because of the significance of science and technology to our everyday lives, today’s
engineer and computer scientist must be aware of the impact of his or her creations on society. In addition to the public health and welfare, aesthetics, economics, and energy-use implications, our graduates also consider environmental, sociological, and other humanistic costs. A degree from the College of Engineering and Computer Science is also recognized as a valuable asset to those entering other professional pursuits such as the medical or law professions, architecture, education, the military professions, or even politics.

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of the School of Electrical Engineering and Computer Science (EECS) and three engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Industrial Engineering and Management Systems (EIMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The School of Electrical Engineering and Computer Science is comprised of Computer Science, Information Technology, and Electrical and Computer Engineering. The ROTC Division is made up of the ROTC Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All components of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computer Science program is accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700.

The College houses the ROTC Division for those students desiring to pursue military training while earning their degree. The AFROTC program offers a minor in Aerospace Studies, and the AROTC program offers a minor in Military Science.

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 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 with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists in the professional society of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, visits to local and regional industries and to governmental and military research facilities.

There are two programs available to eligible CECS students: 1) the University Honors Program (see the 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 would like to have the experience of an Honors curriculum, and 2) University Honors program students who desire to continue the Honors curriculum beyond what the University Honors Program offers. The centerpiece of the Honors in the Major program is the opportunity to undertake independent research as an undergraduate under the guidance of a faculty member in his/her major. The Honors in the Major represents a total of six credit hours of work. These credit hours are acceptable as technical electives by all programs except for Electrical and Computer Engineering. Electrical and Computer Engineering students in the HIM program use the HIM credits in lieu of Senior Design I and II. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering (EGN 4931H) (three credit hours), plus three credit hours of Undergraduate Honors Thesis (EGN 4970H).

The latter will result in an undergraduate thesis which will describe the research done by the student. The student will defend his/her thesis before a committee of faculty in the field as part of an oral examination covering the honors work. A sponsoring faculty member is required to supervise the undergraduate thesis.

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

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

To successfully complete the HIM program and receive said designation, the student must successfully defend the thesis and graduate with a minimum 3.5 GPA in the option courses, and minimum 3.2 GPA at UCF. No exceptions to this policy will be made for graduation. Successful candidates will be awarded an Honors in Engineering/Computer Science mention on the diploma and transcript, representing satisfactory completion of the program. Moreover, each department will award a limited number of graduate scholarships (with tuition waivers) to those who apply for graduate school and have successfully completed this program.

Application for admission to the Honors in the Major Program must be obtained from the Office of Research and Civic Engagement in the Burnett Honors College. Students in the College of Engineering and Computer Science must consult Donald Malocha, Engineering Building 1, room 114. For more information about The Burnett Honors College programs, please visit their homepage at http://www.honors.ucf.edu.

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 can be found on the College home page at http://www.cecs.ucf.edu, and on the home pages of each department. For the home page associated with a particular program, see the listing for that department on the following pages of this catalog.

Department of Civil, Environmental, and Construction Engineering

Chair: Lakshmi N. Reddi; ENG2 211; 407-823-2841; Fax: 407-823-3515; http://www.cece.ucf.edu
Faculty: Abdel-Aty, Al-Deek, Behzadan, Catbas, Chang, Chopra, Cooper, Duranceau, Hagen, Khalafallah, Mackie, Nnadi, Oluofa, Radwan, Randall, Reddi, Reinhardt, Yeh, Yun

The Civil, Environmental, and Construction Engineering Department (CECE) offers baccalaureate degrees in Civil Engineering (BSCE), Environmental Engineering (BSEnE), and Construction Engineering (BSCConE).
The Civil Engineering Program

The Civil Engineering major is concerned primarily with fundamental civil engineering design and analysis in such areas as structures, geotechnical engineering, sanitary engineering, water resources, and transportation engineering. Civil Engineering students are required to take a minimum of two Project Design Courses, which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Civil Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Environmental Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:

1. 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.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

Program Outcomes

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

The Environmental Engineering Program

The Environmental Engineering Program is concerned primarily with the interactions of humans and their environment and the planning, design, and control of systems for environmental quality management for water, land, and air environments.

Environmental Engineering students are required to take a minimum of two Project Design Courses (out of four offered) which synthesize various pre-requisite course offerings into a design project. These projects are usually “open-ended” and duplicate real world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Environmental Engineering Program Faculty strive to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
4. Promote an environment that is inclusive and diverse.
5. To attain prominence in key areas of Construction Engineering graduate education and research.

Educational Objectives
Within the first several years following graduation, graduates should:
- Be successfully employed or employable in construction engineering practice in areas such as estimating, scheduling, program development, and construction project management, or related fields and/or be continuing their studies at the graduate level.
- Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed life-long learning, professional licensure, and service to the profession and society.

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

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

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

Additional notes:
- All students, by meeting the requirements for each degree, will be able to represent themselves as a Civil Engineer, an Environmental Engineer, a Construction Engineer or a combination thereof.
- The extra hours represent at least one additional semester of full time enrollment, and represents the minimum requirements for the double major.

The 17 hours of extra courses required for Civil Engineering majors pursuing Environmental Engineering as a second major would include all the required courses of Environmental Engineering: CHM 2046L, EES 4202C, EES 4111C, ENV 4120, ENV 4341, and a Biological or Earth Science, whichever course was not taken to satisfy the GEP.

The 21 hours of extra courses required for Environmental Engineering majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: SUR 2101C, CES 4100C, CEG 4011C, TTE 4004, CGN 3501C or EGN 3365, and either CES 4805 or CES 4702.

The 16 hours of extra courses required for Construction majors pursuing Civil Engineering as a second major includes all the required courses of Civil Engineering, namely: CWR 4101C, CWR 4203C, EGN 3373, EGN 3343, and ENV 4561.

The 19 hours of extra courses required for Civil Engineering majors pursuing Construction Engineering as a second major would include all the required courses of Construction Engineering: ACG 2071, CCE 4004, CCE 4402, CCE 4813, CCE 4034, and CCE 4810.

One diploma indicating only one major will be awarded, both majors will be indicated on the student’s transcript. If a student desires two separate diplomas, a B.S.C.E., a B.S.Env.E, and/or a B.S.Con.E., this is permitted, per university policy, for students who have a minimum of 150 credit hours.

School of Electrical Engineering and Computer Science
Director: Issa Batarseh; HEC 437; 407-823-3957
Faculty: Bassiouni, Batarseh, Behal, Behdad, Boloni, Chatterjee, da Vitoria Lobo, DeMara, Deo, Dutton, Foroosh, Georgiopoulos, Gomez, Gong, A. Gonzalez, Guha, Haralambous, Heinrich, Hu, Hua, Hughes, Jones, Kasparis, Lang, LaViola, Leavens, Lee, Liu, Llewellyn, Malochia, Marinescu, Mikhail, Mukherjee, Orooji, Pattanaik, Qu, Richie, Shah, Shen, Simaan, Stanley, Sukthankar, Sundaram, Tappen, Turgut, Wahid, Wang, Weeks, Wei, Wocjan, Workman, A. Wu, T. Wu, Yuan, Zhang, Zhou, Zou

The Computer Science Program
The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

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

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

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

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

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

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

Program Outcomes

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

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

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

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

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

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

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

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

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

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

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

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

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

The Information Technology Program

The Information Technology program offers courses leading to the Bachelor of Science degree in Information Technology. Information Technology encompasses computer hardware, software, peripheral devices and their use in communication networks and information systems. IT-related disciplines include database engineering, network engineering, performance planning, system security, digital media design, and web system design. The program provides students with the subject areas and communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission

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

Educational Objectives

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

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

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

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

Program Outcomes

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

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

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

4. Critically analyze and apply a range of information science and systems concepts, principles, and practices in the context of solving problems across a range of information technology problem domains.

5. Develop computer-based applications using the information technology body of knowledge.

6. Employ terminology for information technology accurately and effectively.

7. Use technical writing effectively and professionally for varied audiences.

8. Convey technical material through oral presentations of information technology related topics.

9. Effectively work on teams and critically analyze impact of IT on individuals, organizations, and society.

10. Understand roles and responsibilities of IT on issues related to profession, security, legal, ethics, society, and professional development.

Electrical and Computer Engineering Programs

The Electrical and Computer Engineering programs offer baccalaureate degrees in both Electrical Engineering (BSEE) and Computer Engineering (BScPE). Graduate degrees leading to the Master of Science in Electrical Engineering (M.S.E.E.), Master of Science in Computer Engineering (M.S.CPE), and Doctor of Philosophy (Ph.D.) are also offered.

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

The Computer Engineering Program

The Computer Engineering Program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4767C and EEL 4768C), Computer Science I (COP 3502) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission

The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Educational Objectives

The objectives of the CPE Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for engineering work in the areas of computer hardware, software, and computer communications.
2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.
3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
7. An ability to communicate effectively.
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
9. A recognition of the need for, and an ability to engage in life-long learning.
10. A knowledge of contemporary issues.
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.ece.ucf.edu.

The Electrical Engineering Program

The Electrical Engineering program contains a minimum of 63 credit hours of design experience. This is achieved through such courses as

- Linear Control Systems (EEL 3657), Electronics I and II (EEE 3307C and EEE 4309C), Digital Signal Processing (EEL 4750), Analog and Digital Communication Fundamentals (EEL 3552C), Embedded Systems (EEL 4767C), Networks and Systems (EEE 3123C) and Digital Systems (EEE 3342C).
- Technical electives can give additional design experience leading to work in communica-tions, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/power electronics.

Mission

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

Educational Objectives

The objectives of the EE Program at UCF are that:

1. Graduates demonstrate competence leading to success in technical career within the areas of Electrical Engineering.
2. Graduates demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful career in their profession.
3. Graduates demonstrate the pursuit of lifelong learning in their areas of interest, including graduate studies, membership in professional societies, and participating in training opportunities.

Program Outcomes

Graduates of the Electrical Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering.
2. An ability to design and conduct experiments, as well as to analyze and interpret data.
3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
4. An ability to function on multidisciplinary teams.
5. An ability to identify, formulate, and solve engineering problems.
6. An understanding of professional and ethical responsibility.
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13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.ece.ucf.edu.

School of Electrical Engineering and Computer Science

Policies and Procedures

The School’s web site (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from the page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (comments, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowski; ENG2 312; 407-823-2204; Fax 407-823-3413

Faculty: Calabrese, Crompton-Young, Elshennawy, Geiger, Hoekstra, Karwowski, Kolnour, Lee, Malone, McAuley-Bush, Mollaghaseshi, Nazzal, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.
Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufactured product, and management of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, and to facilities design and plant layout in EIN 4364. The design experience concludes with a real-world system design in the two-semester capstone design sequence, EIN 4516 and EIN 4891.

Mission
To produce industrial engineering leaders who design and improve operations in industry, business, and government for the global economy of the 21st century. Specifically, we seek:

1. To provide graduates with the necessary knowledge and skills to assume challenging jobs in leading private and public organizations, pursue advanced studies, or start-up their own businesses.
2. To provide employers with graduates who are technically competent, have basic management and inter-personal skills, and ability to professionally grow and develop their careers.
3. To provide the industrial engineering society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:
1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
5. To produce graduates who communicate effectively, both orally and in writing.
6. To produce graduates who contribute to multi-disciplinary team efforts.
7. To produce graduates who are responsible to the industrial engineering profession and to our modern global society.
8. To produce graduates who value life-long learning.

Program Outcomes:
1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
9. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.


Department of Mechanical, Materials, and Aerospace Engineering

Interim Chair: Louis Chow; ENGR 307: 407-823-2418; Fax 407-823-0208


The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FE, feedback control and mechatronics, fluid mechanics, heat transfer, and structure and properties of materials.

Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering core courses, and grows throughout the curricula with increased emphasis on student creativity, open-ended problems, materials selection, design methodology, feasibility considerations, alternative solutions, and concurrent design, and culminates in the senior capstone design courses.

The use of computers and written and oral communication are part of the design experiences throughout the programs.

Mission: Aerospace Engineering

In support of the University and College missions, the Aerospace Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional aerospace industry and the Florida Space Institute, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in aerospace or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize aeronautical systems or space systems, and will have a command of corresponding engineering principles. Among the obvious career opportunities are the design and development of aircraft, missiles, and spacecraft systems. Aerospace technologies are also important and applicable to power applications such as turbomachinery. Also, many environmental problems associated with wind effects on buildings, structures, etc., are appropriate to the methods and technology of aerospace engineering.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in aerospace technology, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate aerospace engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and aerospace concepts in a core area of engineering. Students emphasizing aeronautics will have a command of aerodynamics, aerospace materials, structures, propulsion, flight mechanics and stability and control. Students emphasizing astronautics will have the command of topics such as orbital mechanics, attitude determination and control, launch processing, space structural dynamics, etc.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from aerospace engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary aerospace engineering applications of technology and their uses in engineering practice.

Mission: Mechanical Engineering
In support of the University and College missions, the Mechanical Engineering program at UCF is committed to provide the highest quality engineering professionals and leaders. Through cooperative efforts with regional industry, our graduates will be well prepared for their role as engineers in society and will have an awareness of ethical, environmental, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems, energy systems, or materials, and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobile engineering, manufacturing, nuclear applications, from zipper to space shuttle.
2. Skills: To prepare graduates with skills enabling them to be productive in their chosen career. These tools include understanding contemporary topics in mechanical technologies, command of modern engineering tools, design experience, and professional experience appropriate to their post-graduation goal.
3. Professionalism: To produce graduates who communicate effectively, who understand and undertake professional responsibilities, and who function effectively as members and leaders of multidisciplinary teams.
4. Life-long Learning: To produce graduates who believe that their undergraduate mechanical engineering education was a wise investment and who desire to continue to develop their knowledge and skills throughout their careers.

Program Outcomes
1. An in-depth understanding of engineering principles and mechanical concepts in a core area of engineering. Students will concentrate on mechanical systems, energy systems or material engineering with an emphasis on design.
2. A broad understanding of engineering, and scientific principles & responsibilities, and the ability to apply these principles to design and analysis.
3. A broad understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently use information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Col. Michael J. Chandler; Trailer 501, Room 103; 407-823-1247; Fax 407-823-2265
Faculty/Staff: Captain Gray, Captain Lehmann, Captain Johnson, MSGt Fields, SSgt Sutton, and Mrs. Fioramanti, Office Manager
The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers four-year, three-year, and two and a half-year Air Force ROTC programs. The four and three-year program provides on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

Curriculum
Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR.

1. General Military Course (GMC)
   The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.
2. Professional Officer Course (POC)
   The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who seek a commission through the Air Force ROTC must complete the POC curriculum. The curriculum involves the study of concepts of leadership and management in the Air Force and an analysis of the formulation and implementation of American defense policy.
Leadership Laboratory

Leadership Laboratory is a required lab that must be taken in conjunction with the academic class. Leadership Laboratory is only open to students who are members of the Reserve Officer Training Corps or are eligible to pursue a commission as determined by the Professor of Aerospace Studies.

Requirements for entry into the Professional Officer Course

- Be at least 17 years of age at the time of acceptance
- Be able to complete the Professional Officer Course and complete all degree requirements prior to reaching age 29 if entering Flight Training, or before age 30 (can be waived to age 35) if entering a non-flying Air Force specialty
- Pass the Air Force Officer Qualifying Test
- Pass an Air Force medical examination
- Pass the Air Force Physical Fitness Assessment each semester
- Selection by the Professor of Aerospace Studies
- Successful completion of a summer Field Training course (either four or five weeks)
- Enlistment in the Air Force Reserve certifying agreement to complete the POC and accept an Air Force Commission. This enlistment is terminated upon receipt of a commission

Monetary Allowance

All contracted students enrolled in the Professional Officer Course receive a tax-free monetary allowance of $450 or $500 per month based on their academic classification.

Air Force ROTC Scholarship Program

Scholarships are phased between two and four years and are awarded on a competitive basis. Depending on state residency and credit hours, these scholarships may provide for full tuition and fees, and an allowance for textbooks. For additional information on Air Force ROTC call 407-823-1247 or visit our web site at http://airforce.ucf.edu or e-mail us at AFROTC@mail.ucf.edu. This information is subject to change.

Summer Training

All students must attend a summer Field Training course conducted at Maxwell Air Force Base in Montgomery, AL. This course includes junior officer training, officer career orientation, and physical conditioning. Students enrolled in the four-year AFROTC program will attend a four-week summer course, normally upon completion of the General Military Course. A five-week summer course, which includes a modified version of the General Military Course, is required for students entering the two and a half-year AFROTC program. These students must complete their summer training prior to their formal enrollment in the Professional Officer Course curriculum. These students need to contact the department early in the Fall prior to the Summer Field Training.

Officer Commissioning

Students who complete the Professional Officer Course are appointed Second Lieutenants in the United States Air Force. After completing the training program and entering active duty, they will serve a minimum active duty tour which varies in length depending on their particular career area (typically four years). Such obligations are explained in detail during the one-on-one counseling sessions conducted with each candidate by detachment officers.

Army ROTC (Military Science)

Chair: LTC Sean Morgan; Trailer 501, Room 110

Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, 1LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Martin, Office Manager, 407-823-2430, Fax 407-823-5324

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

Curriculum

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

1. Basic Military Science

A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualifY and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Course.

B. Requisites for admission to the Basic Course:

- Enrollment in a Baccalaureate or Master’s degree program
- Full-time student status

2. Advanced Military Science

A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consist of four semesters of classroom instruction of two hours each week and a two hours leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students who want to pursue a commission as a Second Lieutenant must meet pre-requisite requirements to contract and must obtain permission from the department chair prior to participating in the Advanced course. They must also successfully complete a 32-day Leadership Development and Assessment Course at Fort Lewis, WA, normally between their junior and senior years.

B. Requisites for Admission to the Advanced Course:

- Successful completion of Basic Course, or placement credit
- Must be at least 17 years of age at the time of entry, but not more that 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
- Successful completion of an Army physical examination
- Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
- Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
- U.S. Citizen
- A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance

All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $350 during the freshman year, $350 during the sophomore year, $450.00 during the Junior year and $500.00 during the Senior school year.

4. Scholarships

Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition to the core, 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 (Leader Training Course)
Under the two year option a student can earn placement credit for the Basic Course by attending a 31-day course at Fort Knox, Kentucky. Students attending the summer course receive approximately $800.00 pay. Additionally, all lodging, meals and transportation are furnished. Uniforms will be provided at no expense to the student.

2. Specialized Summer Training Courses
Qualified students can be selected to attend specialized military training occurring the summer months. These areas of training include: a) Airborne Training; b) Air Assault Training; c) Northern Warfare Training; d) Cadet Troop Leadership Training; and e) Mountain Training.

3. Leadership Development and Assessment Course (LDAC)
All Advanced Course students must attend and successfully pass a five week camp conducted at Fort Lewis Washington prior to receiving a commission as an Army Officer. This camp evaluates a student’s leadership performance and potential. LDAC waives the 9 hour summer school requirement for Army ROTC Cadets. Students normally attend LDAC the summer following their junior year and receive approximately $800 pay for the training.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Engineering and Computer Science are located at:
http://oeas.ucf.edu/alc/alc_students_coecs.htm
College of Health and Public Affairs

Dean: Michael L. Frumkin, HPA 365, 407-823-0171
http://www.cohpa.ucf.edu

Associate Dean, Graduate Studies and Technology:
Ronnie Korosec, HPA 365, 407-823-0171

Associate Dean, Research:
Thomas Wan, BNT 108, 407-823-0170

Associate Dean, Student/Personnel Affairs:
Melvin Rogers, HPA 365, 407-823-0171

Associate Dean, Undergraduate Studies:
Pamela E. Kirby, HPA 365, 407-823-0171


The College fosters excellence in undergraduate and graduate education, research and community services in health, social and justice services. In addition to a PhD program in Public Affairs the College houses both undergraduate and graduate interdisciplinary programs that contribute to a solid educational foundation in public affairs.

General Requirements for the Bachelor’s Degree

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the Programs in Athletic Training, and Health Informatics and Information Management. Application must be made to the appropriate program. Additional information regarding prerequisites and minimum grade point averages may be obtained from the desired School, Program, Department, or College Website.

The following Departments and Programs do not have restrictions on admissions: Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration, Health Sciences - Pre-Clinical Track, and Health Services Administration.

Academic Advisement

Undergraduate Student Services

Executive Director: Judith A. Sindlinger, HPA2 115, 407-823-0010,
E-mail: hpainfo@mail.ucf.edu

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

Programs and Degrees

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<td>Criminal Justice</td>
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<td>Health Informatics and Information Management</td>
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<tr>
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Department of Communication Sciences and Disorders
Chair: TBA, HPA 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis
Clinic Director: Janet Whiteside, Research Pavilion Suite 155, 407-249-4770

The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathology or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to course work in communication sciences and disorders, the department offers an array of courses in American Sign Language and related topics.

Degrees: Communication Sciences and Disorders (BA, BS, MA)
PhD in Education, Communication Sciences and Disorders Track
Tracks: None
Minors: Communication Sciences and Disorders
Certificates: Language Development and Disorders

Department of Criminal Justice and Legal Studies
Chair: Robert Langworthy, HPA 311, 407-823-2603

The Department of Criminal Justice and Legal Studies includes two undergraduate degree programs: Legal Studies and Criminal Justice. The department supports Lambda Alpha Epsilon, the professional Criminal Justice fraternity, and Alpha Phi Sigma, the Criminal Justice Honor society and Phi Alpha Delta the Legal Studies professional society.

Program in Criminal Justice
Criminal Justice is a problem-based field of study which focuses on the nature of crime and crime control agencies in a democratic society. The curriculum reflects the dynamic nature of the field and prepares students for challenging careers in public service.

Program in Legal Studies
The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Degrees: Criminal Justice (BA, BS, MS), Legal Studies (BA, BS)
Tracks: None

Department of Health Management and Informatics
Chair: Aaron Liberman, HPA 210, 407-823-2359

The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration
The department offers a baccalaureate degree in Health Services Administration. The baccalaureate degree is designed for students who desire to study the business side of health care. The primary goal of the program in Health Services Administration is to prepare managers to direct a variety of health care organizations such as hospitals, HMO’s, clinics and any other organization involved in the delivery or management of health care services. The undergraduate curriculum is consistent with the curricular requirements of the Association of University Programs of Health Administration, stressing administration, policy and planning skills. A diverse health care community offers students a variety of internship experiences as well as providing placement opportunities upon graduation. Faculty members are actively engaged in research relating to management, conflict resolution, occupational stress, outcome assessment, and integrated delivery mechanisms.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

Program in Health Informatics and Information Management
Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient, 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics, 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information, and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The HIM Program is a limited access program and requires a separate application to the program by March 1 of the year in which admission is sought. Graduates of the Health Informatics and Information Management program are eligible to take the AHIMA Registered Health Information Administration Certification examination. Upon successfully passing the examination, the graduate will be recognized as a Registered Health Information Administrator (RHIA).
Department of Health Professions

Interim Chair: Aaron Liberman, HPA2 210, 407-823-2214

Faculty: Angelopoulos, Douglass, Gosnell, Hanney, Jameer, McDonough, Fabian, Rothchild, Schellhase, Shack-Dugre, Shidelier, Smith, Tucker, Welker, Worrall.

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

For admission to the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of “C” (2.0) is required for prerequisite courses and required courses within the program. The program is accredited by the national professional association and graduates are prepared to take the examination for certification.

Program in Athletic Training

The Program in Athletic Training at the University of Central Florida is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educational process is the series of clinical experiences that occur in a variety of settings under the direction of an approved clinical instructor and certified athletic trainer. These local affiliation sites include high schools, colleges, universities, rehabilitation clinics, and professional athletic organizations. Upon successful completion of the course of study, the graduate with a Bachelor of Science degree in Athletic Training is eligible to take the National Board of Certification (BOC) Exam. By successfully passing the exam, the graduate will be recognized as a certified athletic trainer (ATC). The Program in Athletic Training is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required.

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

Program in Health Sciences-Pre-Clinical Track

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students with this preparation could also pursue graduate programs in Public Health, Environmental Health, or Health Services Administration.

Degrees: Health Sciences (BS)
Tracks: Pre-Clinical
Minors: Health Sciences

Department of Public Administration

Chair: Mary Ann Feldheim, HPA2 238, 407-823-2604


The Department of Public Administration offers a variety of degrees, minors and a certificate providing students with a broad understanding of public and nonprofit management. The public sector is vast and includes over 20 million employees, and the nonprofit sector has expanded to nearly half that number as governments transition the provision of services through nonprofit organizations. The Department prepares students for professional careers in public service at the city, county, state and federal levels. Currently the public sector in the United States includes over 87,000 governments, of which the federal government is but one. The Bachelor of Arts or Science degrees with a major in Public Administration enable students to attain entry level positions in government and other nonprofit organizations. Those seeking senior management and executive positions are strongly encouraged to pursue the Master of Public Administration (MPA) or Master of Nonprofit Management (MNM). Students with interests that go beyond the Masters level may also pursue a Ph.D. in Public Affairs.

There are numerous public and nonprofit employment opportunities with jobs available in nearly every area of specialization. For instance, public servants include engineers, accountants, fire fighters, police, physicians, nurses, botanists, chemists, nutritionists, project managers, community planners, city and county administrators, social workers, psychologists, psychiatrists, policy analysts, grant writers, contract managers, quality assurance managers and evaluators. The range of employment opportunities is extraordinary and includes a variety of management and staff positions in environmental protection, homeland security, human resources, nonprofit management, urban planning, economic development, policy and administration and emergency management, among others. The salaries are generally competitive with private industry, despite common misconceptions to the contrary. Employment in the public and nonprofit sector provides graduates with the opportunity to “make a difference” in their communities on a national, state or local level.

Degrees: Public Administration (BA, BS, MPA, MNM)
Tracks: None
Minors: Public Administration, Urban and Regional Planning, Emergency Management and Homeland Security, Non-Profit Management Minor with American Humanities National Certification Program

Certificates: Nonprofit Management

School of Social Work

Director: John Romnau, HPA 204, 407-823-2114

Faculty: Abel, Bricout, Buckey, Gammonley, Hall, Kohn, Lambert, Lawrence, Leon, Molina, Ramos, Rotthenberg, Steen, Walsh, Wither.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in Congress, hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives.

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

The strengths of the School of Social Work are in the social work profession emphasizing resources, capabilities, resilience, and sees obstacles as challenges. We help anytime, anywhere. Help Starts Here!

The School of Social Work also offers Certificate Programs in Aging Studies and Children’s Services. If a student wishes to pursue their academic endeavors further, the School of Social Work also offers a Master’s in Social Work.

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Health and Public Affairs are located at: http://oeas.ucf.edu/alc/alc_students_cohpa.htm
College of Medicine

Dean: Deborah C. German, University Tower, 3rd Floor; 407-823-1841
http://www.med.ucf.edu/

The University of Central Florida College of Medicine was established in 2006 by the Florida Legislature and the Florida Board of Governors to address the growing physician shortage nationwide and provide economic benefits to Central Florida and the state. The college offers undergraduate and advanced degree programs in biomedical sciences through its Burnett School of Biomedical Sciences, as well as a doctor of medicine (M.D.) degree program, giving students access to a variety of ways to pursue their career dreams.

In August 2009, the college welcomed an outstanding charter class of 41 M.D. students. This class had the highest average MCAT score and GPA of any incoming class of medical students in Florida in 2009, and with more than 4,300 applicants, the college was among the most selective in the nation. Starting 2013, the M.D. program will admit 120 students each year, while the Burnett School is already home to more than 2,500 undergraduate, graduate, and doctoral students. The Burnett School of Biomedical Sciences offers undergraduate majors in the biomedical sciences: Biotechnology, Medical Laboratory Sciences, and Molecular Biology and Microbiology. The school also offers master’s degrees in Molecular Biology and Microbiology and Biotechnology as well as an interdisciplinary doctoral degree in Biomedical Science.

The UCF College of Medicine is a forward-looking medical school with a culture based on partnerships and collaboration. Our medical and biomedical programs capitalize on UCF’s existing strengths in biological sciences, modeling and simulation, engineering, optics and photonics, psychology, chemistry, film and digital media, business, and nursing.

The undergraduate and graduate programs in the Burnett School of Biomedical Sciences are offered at the UCF main campus. The M.D. program and state-of-the-art biomedical research facilities are an integral part of the growing medical city at Lake Nona. The newly opened Burnett Biomedical Sciences building soon will be joined by the Medical Education building in time for the opening White Coat ceremony on the UCF Health Sciences Campus at Lake Nona in August 2010. The 50-acre UCF Health Sciences Campus at Lake Nona is located about 25 miles south of the Orlando campus.

Burnett School of Biomedical Sciences

Director: P.E. Kolattukudy; BL 136; 407-823-1312; Fax 407-823-0956
Associate Director of Academic Affairs: Roseann White; HPA2, 335J; 407-823-5932; Fax 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Molecular Biology and Microbiology and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. The School also offers M.S. programs in Molecular Biology and Microbiology, and Biotechnology. Also, it offers a Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advising Office, 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has over 2,300 undergraduate students and many as 100 graduate students. Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomolecular Science Center, and the Pre-Health Professions Advisement Office.

Programs and Degrees

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<tr>
<th>Program</th>
<th>Degree</th>
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<tbody>
<tr>
<td>Molecular Biology and Microbiology</td>
<td>B.S., M.S., Minor</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>Biomedical Sciences</td>
<td>Ph.D.</td>
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Department of Molecular Biology and Microbiology

Chair: P.E. Kolattukudy; BL 136; 407-823-1312
Associate Chair: Roseann White; HPA2, 335J; 407-823-5932

Faculty: Ahangari; Altomare; Borgon; Bossy-Wetzel; Chai; D. Chakrabarti; R. Chakrabarti; Chan; Cheng; Cole; Danieli; Ebert; Fernandez-Valle; Fu; Gennaro; Hitchcock; M. Jewett; T. Jewett; Khaled; Kolattukudy; Lopez; Lopez-Ojeda; Li; Moore; Muller; Naser; Safranek; Samsam; Self; Siddiqi; Singla; Sugaya; Teter; Turkson; Weigel; White; Zervos.

The Department of Molecular Biology and Microbiology offers a Bachelor of Science degree, a Master of Science degree and a Minor in Molecular Biology and Microbiology. The department also offers a Bachelor of Science degree in Medical Laboratory Sciences and a Bachelor of Science degree in Biotechnology. The Molecular Biology and Microbiology programs prepare students for entry into any professional school in health sciences, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry. Students seeking admission to such professional programs should follow the Molecular Biology and Microbiology Preprofessional Concentration. The Department’s programs also prepare students entering the technical workforce in biotechnology, pharmaceutical and/or any other medical technology industry. The Department is a major partner in the interdisciplinary Ph.D. program in Biomedical Sciences.
The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS-8410 Bryn Mawr Ave., Ste 670, Chicago, IL 60631) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

**Degrees:** Medical Laboratory Sciences (B.S.)

**Tracks:** None

**Minors:** None

**Office of Student Services and Advisement (OSSA)**

**Assistant Director:** Amanda Colee; HPA2 335A; 407-823-4812

**Academic Advisor:** Cynthia Contreras; HPA2 336; 407-823-5787

**Academic Advisor:** Ana Maria Schwindt; HPA2 337; 407-823-1259

E-mail: bcsbinfo@mail.ucf.edu

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

**Biomolecular Science Center**

**Director:** P.E. Kolattukudy; BL 136; 407-823-1312

**Ph.D. Coordinator:** Steven Ebert; BL 321A; 407-823-1312

The mission of this university-wide interdisciplinary academic center is to establish vibrant research and training programs under the general theme, “Molecular and Genomic Bases of Diseases and Therapeutics.” The Center research is focused in four areas: cancer, cardiovascular disease, infectious disease, and neurodegenerative disease.

The Biomolecular Science Center currently works with the Office of Research and the broader UCF research community to establish state-of-the-art research infrastructure and core facilities to support research in modern life sciences.

Within the next few years, the Center plans to hire approximately 20 new faculty research teams in Biomedical Sciences within its theme area. Additional faculty will be hired in partnership with other academic units including the College of Optics and Photonics and the Nanoscience and Technology Center. Together with the existing faculty, this growth in biomedical sciences is expected to create a critical mass of people conducting interdisciplinary research at the cutting edge in biomedical sciences that can have a significant impact on the biomedical technology industry of the region and the state.

The Biomedical Sciences Ph.D. is a major vehicle for training students for biomedical research careers in industry, institutes and universities. In addition, the center intends to help establish new degree programs in cooperation with other academic units to generate a skilled workforce that can serve the region and state’s growing biomedical technology industry.

**Degrees:** Biomedical Sciences (Ph.D.)

**Tracks:** None

**Minors:** None

**Pre-Health Professions Advisement Office**

**Director:** Genaro Lopez; HPA 124; 407-823-2670

The Pre-Health Professions Advisement Office serves students university-wide in preparing for and seeking admission to professional health science schools, such as medicine, veterinary, pharmacy, podiatry, physician assistant, physical therapy, optometry, chiropractic and dentistry.

For more information regarding this office, please refer back to the “Academic Advising” section of this Undergraduate Catalog.

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

for undergraduate programs in the College of Medicine are located at:

http://o eas.ucf.edu/alc/alc_st udents_bccb.htm
The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community and rehabilitative settings. The program emphasizes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online.

The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a bachelor’s degree in nursing or a related health field.

The Doctor of Philosophy in Nursing (PhD) program prepares nurse scientists to assume positions as nursing faculty, leaders in the application of innovative technologies to nursing education and clinical care, executive leaders in health care systems and scientists who contribute to the body of nursing knowledge through research.

The Doctor of Nursing Practice (DNP) prepares nurse clinicians and nurse practitioners for leadership roles in specialized areas of advanced practice nursing. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of a residency project during the capstone clinical residency year.

The College of Nursing BSN and MSN programs are accredited by the Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN
Minors: None

General Requirements for the Bachelor's Degree
- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college Web site: http://www.nursing.ucf.edu

Academic Advisement
Office of Undergraduate Student Services
HPA 220, 407-823-2744

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

Programs and Degrees
Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/alc/aic_students_con.htm
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh; 407-823-6800;
E-mail: info@creol.ucf.edu
http://www.creol.ucf.edu

The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida's high technology-based industries.

CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 40 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $45 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubation Program.

The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $17 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $20,000 to $26,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
College of Sciences

Dean: Peter Panousis; CSB 201A; 407-823-1997
http://www.cos.ucf.edu

Associate Dean: Michael Johnson, CSB 201A, 407-823-3491
Associate Dean: Jack M. McGuire, CSB 201A, 407-823-3684
Associate Dean: Haven C. Sweet, CSB 201A, 407 823-2992

The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 50 baccalaureate, graduate, certificate, and pre-professional programs. For additional information concerning graduate programs, please refer to the Graduate Catalog: http://graduate.ucf.edu/currentGradCatalog/

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a “C” GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

Preprofessional Programs

Prelaw Program
Prelaw Advisor: Roger Handberg; PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

Prehealth Professions

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional program of study for additional information.
Advisement
College of Sciences, Academic Services (COSAS)
Director of Undergraduate Services: Lee Anne Kirkpatrick; CSB 250; 407-823-6131; E-mail: cosas@mail.ucf.edu
http://undergrad.cos.ucf.edu/

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COSAS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the “First Year” advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS will should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our Web site.

Programs and Degrees

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<th>Degree</th>
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<td>Actuarial Science</td>
<td>Minor</td>
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<tr>
<td>Advertising/Public Relations</td>
<td>Minor</td>
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<tr>
<td>Anthropology</td>
<td>BA, MA, Minor</td>
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<td>Astronomy</td>
<td>Minor, BS Track</td>
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<tr>
<td>Behavioral Forensics</td>
<td>Certificate</td>
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<tr>
<td>Biology</td>
<td>BS, MS, Minor</td>
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<tr>
<td>Biology Pre-Health Professional</td>
<td>BS Track</td>
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<tr>
<td>Biomedical Sciences</td>
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<td>Chemistry</td>
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<td>Communication</td>
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<td>Conservation Biology</td>
<td>PSM, PhD</td>
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<td>Data mining</td>
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<td>Diplomacy</td>
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<td>European Studies</td>
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<td>Forensic Science</td>
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<td>International &amp; Global Studies</td>
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<td>Interpersonal/Organizational Communication</td>
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<td>Journalism</td>
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<tr>
<td>Mathematics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Maya Studies</td>
<td>Certificate</td>
</tr>
<tr>
<td>Medical Anthropology</td>
<td>Minor</td>
</tr>
<tr>
<td>North American Indian Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Physics</td>
<td>BS, MS, PhD, Minor</td>
</tr>
<tr>
<td>Political Science</td>
<td>BA, MA, Minor</td>
</tr>
<tr>
<td>Political Science Pre-Law</td>
<td>BA Track, Minor</td>
</tr>
<tr>
<td>Psychology</td>
<td>BS, MA, MS, PhD, Minor</td>
</tr>
<tr>
<td>Radio-Television</td>
<td>BA</td>
</tr>
<tr>
<td>Social Sciences Interdisciplinary</td>
<td>BS</td>
</tr>
<tr>
<td>Sociology</td>
<td>BA, MA, MS, PhD, Minor</td>
</tr>
<tr>
<td>Statistics</td>
<td>BS, MS, Minor</td>
</tr>
</tbody>
</table>

Departments and Programs

Department of Anthropology
Chair: Arlen F. Chase; PH 309; 407-823-2227; E-mail: anthropology@ucf.edu
http://anthropology.cos.ucf.edu/

Assistant Chair and Graduate Coordinator: Tosha Dupras; PH 309; 407-823-2227
Undergraduate Coordinator: John Schultz; PH 309; 407-823-2227
Faculty: Barber, A. Chase, Cowell, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejowsky, McIntyre, Mishal, Schultz, Sinnelli, Walker, Zorn; Professors Emeritus: Allyn Stearman, Ron Wallace

The Department of Anthropology offers courses and programs that lead to: a Bachelor of Arts in Anthropology; a minor in Anthropology with concentrations in general anthropology, archaeology, cultural anthropology, and physical anthropology; a minor in Anthropology in Multicultural Studies; a minor in Native American Indian Studies, an undergraduate certificate in forensics; a graduate certificate in Maya Studies; and, a Master of Arts in Anthropology with focus areas in Cultural Competency, Archaeological Investigations in Forensics and Human Adaptations, and Maya Studies. The Undergraduate Anthropology Program prepares students for graduate training in Anthropology and provides them with the skills needed to apply the concepts, methods, and theories of Anthropology in the real world. Anthropology has four sub-disciplines, consisting of language and culture, cultural anthropology, physical anthropology, and archaeology. While undergraduate students are exposed to each of the sub-fields of Anthropology, the training for advanced work in each field differs. Thus, students should consult with their departmental advisor early in their academic careers.

Degrees: Anthropology (BA, MA)
Minors: Anthropology (concentrations in general, archaeology, cultural, or physical), Anthropology in Multicultural Studies, Medical Anthropology, Native American Indian Studies

Certificates: Crime Scene Investigation (undergraduate), Maya Studies (graduate)

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

Faculty: Bayer, Borst, Castalest, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Loguidice, Morrison-Shelter, Noss, Parkinson, Quintana-Accenso, Shetlar, Sotero-Esteve, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy

Professors Emeritus: Ehrhart, Ellis, Kuhn, Koevenig, Snelson, Stout, Sweet, Taylor

The Department of Biology offers a Bachelor of Science in Biology, a Minor in Biology, the Master of Science in Biology, a Professional Science Masters in Conservation Biology, a graduate Certificate in Conservation Biology, a Ph.D. in Conservation Biology, and participates in an interdisciplinary Ph.D. program in Biomolecular Sciences. The core undergraduate curriculum provides a background in the chemical, mathematical, and physical sciences, as well as broad preparation in the biological sciences. This diverse background provides flexible career opportunities for graduates, including science-related employment and professional or graduate schools. Selection of electives, in consultation with a faculty advisor, permits emphasis on a speciality. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

Degrees: Biology (BS, MS), Conservation Biology (PSM, PhD)
Tracks: Biology Pre-professional (BS)
Minors: Biology

Department of Chemistry
Chair: Kevin D. Belfield; CH 117; 407-823-2246
E-mail: chemsta@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino; CH 107A; 407-823-2246
Faculty: Bailly, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Díaz, Dixon, Elsheimer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpashchikov, Kuebler, Kujawa, Liao, Mattson, Mierzw, Miles, Miller, Patino, Sigman, Ye, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Industrial Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.
College of Sciences

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)
Tracks: Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry
Minors: Chemistry

Nicholson School of Communication
Director: Robert C. Chandler, NSC 240; 407-823-2683
Assistant Director: Boyd Lindsey, NSC 240A; 407-823-6751
http://communication.cos.ucf.edu/
Nicholson Academic Student Services Center: NSC 143; 407-823-2681; E-Mail: nascc@mail.ucf.edu

Faculty Emeriti: Feder, O’Keefe, Taylor, Wycoff

The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The Nicholson School is composed of four program areas each of which offers Bachelor of Arts degrees. The degrees are:

1. Advertising/Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Interpersonal/Organizational Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a journalist (newspapers, magazines, broadcast, online forms of mass communication). Students who need to use advanced mathematics as a tool in their careers as a journalist (newspapers, magazines, broadcast, online forms of mass communication) are encouraged to take a more advanced class to fulfill their mathematics requirement. A limited number of student assistantships are available for qualified graduate students.

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

Department of Physics
Chair: Talat Rahman; MAP 310; 407-823-2325; E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/
Associate Chair: Elena Filitjsteyn; MAP 315; 407-823-1156

Faculty: Bhattacharya, Bindell, Britt, Brueckner, Campins, Chernyak, Chow, Colwell, Cooney, Del Barco, Dubey, Efthimiou, Fernandez, Filt-siyam, Harrington, Heinrich, Ishigami, Johnson, Kara, Khondaker, Klemm, Kokouline, Leuenberger, Ngwa, Luo, Martin, Montgomery, Mucciolo, Peale, Rahman, Roldan-Cuenya, Saha, Schelling, Schulte, Stolbov, Tatulian, Tonner, Velissaris, Zhmudskyy; Faculty Emeriti: Bose, Brennan, Llewellyn; Distinguished Professor: Liboff

The Department of Physics offers a multi-track program of study leading to the B.S. degree, giving students the flexibility to choose a suitable set of courses to prepare for their career goals. A common core of courses in theoretical and experimental physics will lead to a broad understanding of the general principles of physics. The different tracks allow students to specialize, applying problem-solving techniques in a certain area of interest; this also enhances their qualifications for employment in that area after graduation.

After graduation our students are prepared to enter advanced study in physics, engineering, medicine, environmental sciences, astronomy, and other related disciplines. They are also prepared to begin careers in positions are varied as engineering physics, computational physics, and physics education. Undergraduate physics majors benefit from small class sizes, and are encouraged to be involved in individually designed senior projects working with a faculty advisor.

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

Degrees: Physics (BS, MS, PhD)
Tracks: General Physics, Materials Physics, Optics & Lasers, Computational Physics, Astronomy
Minors: Astronomy, Physics
Department of Political Science
Chair: R. Handberg; PH 302; 407-823-2608; E-mail: politics@ucf.edu
http://politics.ucf.edu/

Associate Chair: Aubrey Jewett; PH 302; 407-823-2608


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

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A.

The Department of Political Science participates in the following programs:
- Asian Studies: Contact Houman Sadri, Quan Li, or Myunghee Kim.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global and International Studies: Contact Waltraud Q. Morales or Roger Handberg.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson or Annabelle Conroy.
- Space Studies: Contact Roger Handberg.
- Women’s Studies: Contact Terri S. Fine or Annabelle Conroy.

Degrees: Political Science (BA, MA), International and Global Studies (BA)
Tracks: American Politics, International Relations & Comparative Politics, Prelaw
Minors: Political Science, Political Science/Prelaw, European Studies, International and Global Studies
Certificates: Diplomacy Certificate

Department of Psychology
Chair: R. Dipboye; PSY 301L; 407-823-2216; E-mail: psychology@ucf.edu
http://psychology.cos.ucf.edu/

Associate Chair: T. Hernandez; PSY 301; 407-823-2216

Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboye, M. Dunn, S. Dunn, Fouty, Fritzsche, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, K. Kennerley, Le, McConnell, McGuire, Mottarella, Mouloa, Murdoch, Negy, Pritchard, Rapport, Reed, Renk, Reynoso, Rinalducci, Salas, Shinders, Shirkey, Storm, Sims, Smither, Szalma, Wang, Whitten, Wooten
Faculty Emeritus: Abbott, Burroughs, Morgan, Rollins, Thomas-Jenkins, Tucker

The Undergraduate Psychology Program has two primary missions: to prepare students for graduate training in psychology or related fields, and to provide the skills needed for students to apply the concepts and methods of psychology in their work, their communities, and their lives.

Degrees: Psychology (BS, MA, MS, PhD)
Tracks: None
Minors: Psychology
Certificates: Behavioral Forensics

Department of Sociology
Chair: J. Jasinski; PSY 301; 407-823-3744
http://sociology.ucf.edu/

Associate Chair: J. Jasinski

Faculty: Canan, Sc. Carter, Sh. Carter, Cook, Corzine, Ford, Gay, Grauerholz, Huff-Corzine, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Rivera, Sikorska-Simmons, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in qualitative and quantitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today’s employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu

Degrees: Sociology (BA, MA, PhD), Social Sciences Interdisciplinary (BS)
Tracks: Domestic Violence (MA)
Minors: Sociology, Social Sciences Interdisciplinary

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

Faculty: Cutchins, Johnson, Kellison, Modisett, Maboudou-Tchao, Ni, Pensky, Pepe, Ren, Richardson, J. Schott, S. Schott, Su, Uddin, Wang

The Department of Statistics offers courses and programs leading to a Bachelor of Science in Statistics, a minor in Statistics, a minor in Actuarial Sciences, and a Master of Science in Statistical Computing with a track in Data Mining. (See the Graduate Studies catalog for a description of the M.S. in Statistical Computing.)

The undergraduate program in statistics is designed to serve 1) students who desire to pursue careers in statistics after having completed a baccalaureate degree, 2) students who desire to continue their education in graduate or professional schools; and 3) students who use statistics as a tool in their specialty areas.

In order to serve such a wide variety of students, the courses and programs in the Department of Statistics have been developed along several lines. There are the usual service courses in elementary statistics along with strong programs in the upper division in statistical methods, statistical theory, and statistical computing. A limited number of assistantships are available for qualified graduate and undergraduate students.

Degrees: Statistics (BS, MS)
Tracks: Data Mining
Minors: Statistics, Actuarial Science

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Sciences are located at: http://www.oeas.ucf.edu/alc/alc_students_cosci.htm

College of Sciences

111 Undergraduate Catalog 2010-2011
The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Faculty Center for Teaching and Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Pre-Professional Advising Office, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbiter for all undergraduate academic appeals.

Academic Services

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

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

Bachelor of Applied Science

Interim Dean: Elliot Vittes; MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Experiential Learning

Director: Sheri Dressler, FC - 203: 407-823-2667
http://www.explearning.ucf.edu/

This office provides co-op, internship and service-learning courses for students in all colleges through collaboration with college faculty and employers locally, nationally and internationally. Department faculty teach co-op and internship courses, facilitate the development and approval of quality experiential learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile student learning outcome data from applied learning courses campus-wide. Our primary goal is to ensure that students have access to, and include experiential learning courses in, their academic programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.

Faculty Center for Teaching and Learning

Director: Melody Bowdon, CL1-207; 407-823-3544
http://www.fctl.ucf.edu/

The Faculty Center provides support for all the roles of faculty - excellence in teaching and learning, successful research and creative activities, professional advancement, and collaborative endeavors - through multiple formats including workshops, events, consultations, class observations, online resources, publications, and strategic initiatives. This office coordinates the Academic Orientation for new faculty, university-level Undergraduate Teaching and Advising Awards, Scholarship of Teaching and Learning Awards, and assists with mentoring for faculty success.

McNair Scholars Program

Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies

Director: Michael Hampton; Classroom Bldg I, Suite 302; 407-823-0144; E-mail: is@mail.ucf.edu
Program Contact: Interdisciplinary Studies Advising Team
Academic Advisers: Ashley Eden, Jessaca Simmons, Marcelle Turner, Peter Wallace

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

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women’s Studies
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Professional Advising (OPPA)

Director: Bernard Mackey, Ferrell Commons 215C; 407-823-3033
http://www.oppa.ucf.edu/

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, and occupational therapy. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists “Pre-Professional” Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. OPPA’s goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program

Director: Michael Aldarondo-Jeffries, CC II 221; 407-823-1815
http://ramp.ucf.edu/

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty mentors, the program provides a supportive educational environment for students. In addition, the students participate in a variety of workshops designed to increase their awareness and knowledge of the graduate and professional school application process. Students from underrepresented groups and first-generation/low-income students are strongly encouraged to apply.

Undergraduate Research

Director: Kimberly Schneider, CC II 209; 407-823-3125
http://www.our.ucf.edu/

UCF offers numerous opportunities for undergraduates to pursue research in various disciplines with the guidance of a faculty mentor. This intensive research opportunity enhances the academic experience and challenges students to strengthen their critical thinking, analytical, and writing skills. The Office of Undergraduate Research strengthens and unifies the research and education missions of UCF. Examples of programs the office administers are: the undergraduate research showcase, the undergraduate research journal, a workshop series, and a student council.

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs for Undergraduate Studies are located at: http://www.cies.ucf.edu/alc/alc_students_us.htm
The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to these opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the world work in hospitality through an internship requirement and through ex-tensive contact with leading hospitality managers in the Central Florida area. There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

Degrees: Event Management (BS), Hospitality Management (BS) Restaurant and Food Service Management (BS)
Tracks: Theme Park and Attraction Management; Golf and Club Management
Minor: Hospitality Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/alc/alc_students_rhm.htm
Accounting
Advertising/Public Relations
Aerospace Engineering
Aerospace Engineering - Accelerated Undergraduate-Graduate Program
Anthropology
Applied Science - A.S. to B.S. Track
Architecture
Art - History Track
Art - Studio Track
Art - Visual Arts and Emerging Media Management Track
Art - B.F.A. - Emerging Media Track
Art - B.F.A. - Studio Art Track
Art Education
Athletic Training
Biology
Biology - Preprofessional Concentration
Biotechnology
Business Administration
Chemistry
Chemistry - Biochemistry Track
Civil Engineering
Communication Sciences and Disorders
Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program
Computer Engineering
Computer Engineering - Accelerated Undergraduate-Graduate Program
Computer Science
Computer Science - Accelerated Undergraduate-Graduate Program
Construction Engineering
Criminal Justice
Criminal Justice - A.S. to B.S. Track
Digital Media
Digital Media - Visual Language Track
Early Childhood Development and Education - Track 1: Education: Pre-Kindergarten - Primary
Early Childhood Development and Education - Track 2: Early Childhood Development
Economics
Economics, Business
Economics - Accelerated Undergraduate-Graduate Program
Electrical Engineering
Electrical Engineering - Accelerated Undergraduate-Graduate Program
Elementary Education
English - Creative Writing
English - Literature
English - Technical Communication
English Language Arts Education
Environmental Engineering
Event Management
Exceptional Student Education
Film - B.F.A.
Film - Cinema Studies Track
Film - World Cinema Track
Finance
Foreign Language Education - French
Foreign Language Education - Spanish
Forensic Science - Analysis Track
Forensic Science - Biochemistry Track
French
General Business
General Business - A.S. to B.S. Track
Health Informatics and Information Management
Health Sciences - Pre-Clinical Track
Health Services Administration
History
History - Accelerated Undergraduate-Graduate Program
Hospitality Management
Hospitality Management - A.S. to B.S. Track
Humanities
Humanities - Philosophy, Religion, & Popular Culture Track
Industrial Engineering
Industrial Engineering - Accelerated Undergraduate-Graduate Program
Information Technology
Interdisciplinary Studies
Interdisciplinary Studies - Environmental Studies Track
Interdisciplinary Studies - Women's Studies Track
International and Global Studies
Interpersonal/Organizational Communication
Journalism
Legal Studies
Liberal Studies (See Interdisciplinary Studies)
Management
Marketing
Mathematics - Applied Track
Mathematics - Computational Track
Mathematics - Engineering/Physics Track
Mathematics - Mathematical Economics Track
Mathematics - Pure Track
Mathematics Education
Mechanical Engineering
Mechanical Engineering - Accelerated Undergraduate-Graduate Program
Medical Laboratory Sciences
Modern Language Combination
Molecular Biology and Microbiology
Molecular Biology and Microbiology - Preprofessional Concentration
Molecular Biology and Microbiology - UCF/USF Accelerated Medical School
Music
Music - Jazz Studies Track
Music - Music Composition Track
Music - Music Performance Track
Music Education
Nursing
Nursing - Accelerated Second Degree B.S.N. Option
Nursing - A.S. to B.S.N. Track
Nursing - R.N. to B.S.N. Program
Nursing - R.N. to M.S.N. Option
Nursing - SCC/UCF A.S.N. to B.S.N. enrollment option
Philosophy
Photography
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
Radiologic Sciences - A.S. to B.S. Track
Real Estate
Religious Studies
Restaurant and Foodservice Management
Science Education - Biology
Science Education - Chemistry
Science Education - Physics
Social Science Education
Social Sciences
Social Work
Sociology
Spanish
Sport and Fitness
Statistics
Technical Education and Industry Training
Theatre
Theatre - Musical Theatre Track
Theatre Studies
### Accounting (B.S.B.A.)
**College of Business Administration**
**Kenneth G. Dixon School of Accounting,**
**Business Administration II, Room: 101**

[http://www.bus.ucf.edu](http://www.bus.ucf.edu)

Phone: 407-823-2184

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

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

#### Degree Requirements
- **None**

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

   | A: Communication Foundations (9 hrs) |
   | B: Cultural & Historical Foundations (9 hrs) |
   | C: Mathematical Foundations (6 hrs) |
   | D: Social Foundations (6 hrs) |
   | Select 1: |
   | Select 1: |
   | E: Science Foundations (6 hrs) |

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

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

   | Components of Principles of Macroeconomics or Principles of Microeconomics (3 hrs) |
   | Principles of Microeconomics or Principles of Macroeconomics (3 hrs) |
   | Principles of Macroeconomics or Principles of Microeconomics (3 hrs) |
   | Concepts of Calculus and Statistical Methods I (3 hrs) |

3. **Core Requirements: Basic Level (0 hrs)**

4. **Core Requirements: Advanced Level (32 hrs)**

   | First or subsequent semester in the College of Business Administration: |

5. **Restricted Electives (0 hrs)**

6. **Capstone Requirements (4 hrs)**

7. **Foreign Language Requirements**

8. **Electives**

9. **Additional Requirements**

   - Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
   - Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must have a “C” (2.0) or better in each common program prerequisites class.
   - A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
   - Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in a subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Students must have at least a 2.0 GPA in the College of Business and in the accounting major.

A grade of "C-" (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

All students must have credit for a course in each of the following areas:

- English communication arts including written composition
- Oral expression
- Behavioral science such as psychology, anthropology, and sociology
- Humanities
- Political environment of business and society such as political science, public administration, and ethics

10. Required Minors

None

11. Departmental Exit Requirements

None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors in Major

Eligibility: Requirements for admission to Honors in the Major are: completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.

Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements:

Students accepted into the Honors in the Major program must complete either:

Take all of the following sequences:

1. ACG 4903H Honors Directed Reading I or 1 hr
2. ACG 4904H Honors Directed Reading II 1 hr

and

ACG 4970H Undergraduate Honors Thesis 1 hr

1 With approval of the School of Accounting Honors in the Major Coordinator, the Directed Readings or Honors Seminar course will satisfy one of the Area Specialization course requirements toward satisfaction of the course requirements for the Accounting Major.

Related Programs

- None

Certificates

- None

Related Minors

None

Advising Notes

Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.

Professional courses should not be taken at a community/junior college in the areas of Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year (junior, senior) course areas and cannot be satisfied with freshman, sophomore level courses.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes

Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.

Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.

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

Acceptable Substitutes for Transfer Courses

1 ACG 2021 Principles of Financial Accounting 3 hrs

may be substituted with: ACG X001

1 and ACG X011

Plan of Study

Freshman Year - Fall

ENC 1101 Composition I 3 hrs
MAC 1140 Pre-Calculus Algebra 3 hrs
Cult-Hist I* 3 hrs
Psyl/Ant/Soc 3 hrs
Science 3 hrs

Sophomore Year - Spring

CGS 2100C Computer Fundamentals for Business 3 hrs
ENC 1102 Composition II 3 hrs
Science 3 hrs
Art/Music/Lit 3 hrs
Cult-Hist II* 3 hrs

Freshman Year - Spring

Free Elective 3 hrs

Sophomore Year - Fall

Free Elective 3 hrs

ACG 2021 Principles of Financial Accounting 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Spring

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

Junior Year - Fall
- ACG 3131 Financial Accounting Concepts and Analysis  3 hrs
- BUL 3130 Legal and Ethical Environment of Business  4 hrs
- GEB 3031 Essentials of Management Information Systems  4 hrs
- ISM 3011C Management of Organizations  4 hrs

Junior Year - Spring
- ACG 3141 Intermediate Financial Accounting II  3 hrs
- ECO 3411 Quantitative Business Tools II  4 hrs
- GEB 3375 Introduction to International Business  4 hrs
- MAN 3025 Management of Organizations  4 hrs

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

Senior Year - Spring
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations  3 hrs
- ACG 4651 Auditing  3 hrs
- ACG 4803 Contemporary Issues in Accounting  3 hrs
- MAN 4720 Strategic Management  4 hrs

**Accounting majors must have a "C" (2.0) or better grade required in each class.
**General electives as required to reach 120 semester hours.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Advertising/Public Relations (B.A.)

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

E-mail: adpr@ucf.edu
Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Admission Requirements
- Students should apply to become Advertising/Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Students must demonstrate acceptable keyboard skills.
- Students must receive a positive evaluation by the School.
- Students must successfully complete the following courses before applying:

Complete the following:  6 hrs
- ADV 3008 Principles of Advertising and  3 hrs
- PUR 4000 Public Relations  3 hrs

Application Deadlines:
- October 1 to be admitted the next Spring term;
- February 1 to be admitted the next Summer term;
- July 1 to be admitted the next Fall term.

Degree Requirements
- Students who change degree programs (other than from AD/PR Pending) and select this major must adopt the most current catalog.
- Co-op credit can be used in the major with advisor’s prior approval.
- Students should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hour may be taken within the Nicholson School of Communication.
- Students electing to complete a minor must select the minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- A maximum of three credit hours of internship may be earned in one semester.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   **A: Communication Foundations (9 hrs)**
   - Required ENC 1101 Composition I  3 hrs
   - Required ENC 1102 Composition II  3 hrs
   - Required SPC 1608 Fundamentals of Oral Communication  3 hrs

   **B: Cultural & Historical Foundations (9 hrs)**
   - Prefer AMH 2010 U.S. History: 1492-1877  3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present  3 hrs
   - Select one course from group B 2.  3 hrs

   **C: Mathematical Foundations (6 hrs)**
   - Math Suggested MGF 1106 Finite Mathematics or  3 hrs
   - Prefer MGF 1107 Explorations in Mathematics or  3 hrs
   - May substitute a higher level math with appropriate scores on the Math Placement Exam.  3 hrs

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

   **D: Social Foundations (6 hrs)**
   - Economics Required ECO 2013 Principles of Microeconomics or  3 hrs
   - Required ECO 2023 Principles of Microeconomics  3 hrs

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

   **E: Science Foundations (6 hrs)**
   - 2. Common Program Prerequisites (CPP) (0 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   Select either Economics course:  0 hr
   - ECO 2013 Principles of Microeconomics or  0 hr
   - ECO 2023 Principles of Microeconomics  0 hr
### 3. Core Requirements: Basic Level

**Must be completed before applying to the program:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete all of the following:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>ADV 3008 Principles of Advertising and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4000 Public Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>May be completed before or after admission to the program:</strong></td>
<td></td>
</tr>
<tr>
<td>Complete the following classes:</td>
<td></td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td></td>
</tr>
<tr>
<td>Complete either economics class:</td>
<td>0 hr</td>
</tr>
<tr>
<td>ECO 203 Principles of Macroeconomics or</td>
<td></td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td></td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

**Must be completed after admission to the program:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete after admission to the program:</td>
<td></td>
</tr>
<tr>
<td>ADV 4101 Advertising Copywriting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3311 Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 3200 Mass Communication Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MMC 4411 AD/PR Campaigns</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 3100 Writing for Public Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>VIC 3001 Visual Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select one internship:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ADV 4941 Internship or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4941 Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

**Must be selected from outside the school in order to not exceed the 40 credit hour cap:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete a maximum of 12 credits of the following after admission to the program:</td>
<td></td>
</tr>
<tr>
<td>ADV 4103 Radio-Television Advertising</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ADV 4300 Advertising Media Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3110 Business and Professional Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JOU 4700 Journalism Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4110C Public Relations Publications</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4801 Public Relations Case Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>You may take either internship, but not both.</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ADV 4941 Internship or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUR 4941 Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

**The following Advanced Core course meets the Capstone Requirement:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC 4411 AD/PR Campaigns</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

Met by graduation requirement

### 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.

### Electives

- Select primarily from upper level courses, with School advisor’s approval. Must be from outside of the School in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

### Additional Requirements

- None

### University Minimum Exit Requirements

- **Total Semester Hours Required**: 120
- **Honors In Major**: None
- **Related Programs**: None
- **Certificates**: None
- **Related Minors**: None

### Advising Notes

- Students must satisfy each course’s prerequisites before enrolling in the class.

### Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**UNIVERSITY OF CENTRAL FLORIDA**

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**UCF Degree Programs**
Aerospace Engineering (B.S.A.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering I, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
■ None

Degree Requirements
■ None

1. UCF General Education Program (GEP) (38 hrs)
■ UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
 Prefer SPC 1603 Fundamentals of Technical Presentations or
Suggested SPC 1608 Fundamentals of Oral Communication

B: Cultural & Historical Foundations (9 hrs)
Select two classes from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs
 Prefer ECO 2023 Principles of Microeconomics or
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Suggested PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
■ These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in MMAE major courses, a 2.0 (C or better) in each course is required for those courses in section 2.
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ENC 1101 Composition I 3 hrs
ENC 1102 Composition II 3 hrs
MAC 2311 Calculus with Analytic Geometry I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048C Physics for Engineers & Scientists I GEP
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 4 hrs
 PHY 2040C Chemistry Fundamentals IA or
 PHY 2041C Chemistry Fundamentals IB or
 CHM 2054C Chemistry Fundamentals I or
 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

Humans or Social Sciences
1 A “C” (2.0) or better is required in this course.
2 A “C” (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.
3 A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence.
3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

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

4. Core Requirements: Advanced Level (54 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

Select 1:
- EAS 3010  Fundamentals of Aerospace Flight  3 hrs
- EAS 3101  Fundamentals of Aerodynamics  3 hrs
- EAS 3800C  Aerospace Engineering Measurements  3 hrs
- EAS 3810C  Design of Aerospace Experiments  3 hrs
- EAS 4105  Flight Mechanics  3 hrs
- EAS 4134  High-Speed Aerodynamics  3 hrs
- EAS 4200  Flight Structures  3 hrs
- EAS 4210  Space Structural Dynamics  3 hrs
- EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
- EGM 3601  Solid Mechanics  3 hrs
- EGN 3310  Engineering Analysis-Statics  3 hrs
- EGN 3321  Engineering Analysis-Dynamics  3 hrs
- EGN 3343  Thermodynamics  3 hrs
- EGN 3373  Principles of Electrical Engineering  3 hrs
- EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
- EML 4312C  Feedback Control  3 hrs
- STA 3032  Probability and Statistics for Engineers  GEP

Select 2:
- EAS 4700C  Aerospace Design I or  3 hrs
- EGN 4412C  Interdisciplinary Design I  3 hrs
- EAS 4710C  Aerospace Design II or  3 hrs
- EGN 4413C  Interdisciplinary Design II  3 hrs

5. Restricted Electives (9 hrs)
- Technical electives are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered. http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

Select 1:
- EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
- EGM 3601  Solid Mechanics  3 hrs
- EGN 3310  Engineering Analysis-Statics  3 hrs
- EGN 3321  Engineering Analysis-Dynamics  3 hrs
- EGN 3343  Thermodynamics  3 hrs
- EGN 3373  Principles of Electrical Engineering  3 hrs
- EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
- EML 4312C  Feedback Control  3 hrs
- STA 3032  Probability and Statistics for Engineers  GEP

Select 2:
- EAS 4300  Aerothermodynamics of Propulsion Systems  3 hrs
- EGM 3601  Solid Mechanics  3 hrs
- EGN 3310  Engineering Analysis-Statics  3 hrs
- EGN 3321  Engineering Analysis-Dynamics  3 hrs
- EGN 3343  Thermodynamics  3 hrs
- EGN 3373  Principles of Electrical Engineering  3 hrs
- EMA 3706  Structure and Properties of Aerospace Materials  3 hrs
- EML 4312C  Feedback Control  3 hrs
- STA 3032  Probability and Statistics for Engineers  GEP

7. Foreign Language Requirements
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- 25% of course work must be in residency at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

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

Advising Notes

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

- EAS 3990  Aerospace Career and Academic Faculty  0 hrs
- EAS 4991  Aerospace Career and Academic Faculty  0 hrs

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshman students only. The two credit hours for these courses may be substituted by an approved Aerospace Engineering Elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Matlab.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall (15 hrs)
- GEP 3 hrs
- EGN 1006C  Introduction to the Engineering Profession  1 hr
- ENC 1101  Composition I  3 hrs
- MAC 2311  Calculus with Analytic Geometry I  4 hrs

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

1  Preferred
### UCF Degree Programs

#### Anthropology (B.A.)

**College of Sciences**

Department of Anthropology, Philips Hall, Room: 309

[http://www.cos.ucf.edu/anthropology](http://www.cos.ucf.edu/anthropology)

Dr. John Schultz, jschultz@mail.ucf.edu

Phone: 407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations associated with the Maya culture in the Central American country of Belize.

#### Admission Requirements

- **None**

#### Degree Requirements

- **UCF students who change degree programs and select this major must adopt the most current catalog.**
- **Departmental Residency Requirement:** at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Anthropology Department
- **Students must maintain a grade of “C”(2.0) or better in all courses used for the major.**
- **Co-op or internship credit cannot be used in the major without prior approval.**
- **Students should consult with a departmental advisor.**
- **Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

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

**A: Communication Foundations**

- 9 hrs

**B: Cultural & Historical Foundations**

- 9 hrs

**C: Mathematical Foundations**

- 6 hrs

**Math:**

- Suggested MGF 1106 Finite Mathematics or
- Suggested MGF 1107 Explorations in Mathematics or

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

#### 2. Common Program Prerequisites (CPP) (0 hrs)

- See Transfer Notes for possible substitutes
- See “Common Prerequisites” in the Transfer and Transitions Services section

**3. Core Requirements: Basic Level** (6 hrs)

- ANR 2000 General Anthropology
- ANT 2511 The Human Species
- ANT 2410 Cultural Anthropology
- ANT 2140 Archaeology and the Rise of Human Culture
- ANT 2410 Cultural Anthropology
- ANT 2511 The Human Species

#### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)
4. Core Requirements: Advanced Level (12 hrs)
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3610 Language and Culture 3 hrs
ANT 4034 History of Anthropological Thought 3 hrs
ANT 4586 Human Origins 3 hrs

5. Restricted Electives (21 hrs)

Area Study 3 hrs
Select at least one of the following courses:
ANT 3148 Life and Death in Ancient Egypt 3 hrs
ANT 3152 Indians of the Southwest 3 hrs
ANT 3158 Florida Archaeology 3 hrs
ANT 3160 Americas Before Columbus 3 hrs
ANT 3161 Archaeology of Mexico 3 hrs
ANT 3163 Mesoamerican Archaeology 3 hrs
ANT 3164 Ancient Incas 3 hrs
ANT 3165 Archaeology of South America 3 hrs
ANT 3168 Maya Archaeology 3 hrs
ANT 3311 Indians of the Southeastern United States 3 hrs
ANT 3312 Ethnology of North American Indians 3 hrs
ANT 3313 Indians of North America High Plains 3 hrs
ANT 3314 Indians of the Northeast Woodlands 3 hrs
ANT 3318 Indians of the Northwest Coast 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3344 Puerto Rican Culture 3 hrs
ANT 3362 Peoples of Southeast Asia 3 hrs
ANT 3363 Anthropology of Japan 3 hrs
ANT 4144 Prehistory of North America 3 hrs
ANT 4153 North American Archaeology 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
ANT 4352 African Societies and Cultures 3 hrs
ANT 4354 Postcolonial Africa 3 hrs

Restricted Electives 18 hrs
Select at least six other Anthropology courses; these may include other area study courses or any other Anthropology courses that may be offered (see below).
ANG 5166 Problems in Maya Studies 3 hrs
ANG 5167 Maya Hieroglyphs 3 hrs
ANG 5228 Maya Iconography 3 hrs
ANG 5622 Language, Culture, and Pedagogy 3 hrs
ANG 5742 Problems in Forensic Anthropology 3 hrs
ANG 5822 Maya Field Research 3 hrs
ANT 3106 Archaeology of Popular Culture 3 hrs
ANT 3115 Archaeological Method and Theory 3 hrs
ANT 3142 Old World Prehistory 3 hrs
ANT 3173 Archaeology of Sex 3 hrs
ANT 3177 Archaeology of Caribbean Piracy 3 hrs
ANT 3212 Peoples of the World 3 hrs
ANT 3241 Magic, Ritual, and Belief 3 hrs
ANT 3245 Native American Religions 3 hrs
ANT 3262 Rural Society 3 hrs
ANT 3273 Law and Culture 3 hrs
ANT 3302 Sex, Gender and Culture 3 hrs
ANT 3330 Cultural Ecology of Amazonia 3 hrs
ANT 3393 American Indian Literature and Culture in Florida 3 hrs
ANT 3398 Black Seminole Relations 3 hrs
ANT 3450 Living in the USA: Anthropological Perspectives 3 hrs
ANT 3541 Biobehavioral Anthropology 3 hrs
ANT 3550 Primatology 3 hrs
ANT 3701 Applied Anthropology 3 hrs
ANT 3949 Cooperative Education in Anthropology 0 hrs
ANT 4013 Anthropological Perspectives on Fast Food 3 hrs
ANT 4180C Seminar in Laboratory Analysis 3 hrs
1 ANT 4183 Archaeological Sciences 3 hrs
1 ANT 4184 Mortuary Archaeology 3 hrs
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange 3 hrs
1 ANT 4303 Anthropology of Tourism 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
ANT 4408 Culture, Disease, and Healing 3 hrs
ANT 4462 Medical Anthropology 3 hrs
1 ANT 4467 Nutritional Anthropology 3 hrs
ANT 4516 Human Biological Diversity 3 hrs
ANT 4521C Forensic Anthropology 3 hrs
ANT 4525C Human Osteology 4 hrs
ANT 4528C Advanced Forensic Anthropology 5 hrs
ANT 4560 Anthropological Perspectives on Human Growth 3 hrs
2 ANT 4702 Culture, Power and Development 3 hrs
ANT 4802 Ethnographic Field Methods 3 hrs
ANT 4824 Advanced Archaeological Fieldwork 9 hrs

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

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
Met by graduation requirement
Graduation
Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or three semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
A grade of "C" (2.0) or better in all courses used for the major.
Students will be required to take a standard exit exam.
Before applying to graduate, the CLAS must be completely satisfied.
Computer Competency met by the following:
ANT 2140 Archaeology and the Rise of Human Culture 3 hrs

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required 120

Honors in Major
None

Related Programs
Social Sciences
Sociology

Certificates
None

Related Minors
African American Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Asian Studies
Judaic Studies
Latin American Area Studies
Sociology
Women's Studies
Plan of Study

- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall

15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GE 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 2000</td>
<td>Introduction to Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>MGF 1107</td>
<td>Explorations in Mathematics</td>
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### Freshman Year - Spring

15 hrs

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<td>GE 2000</td>
<td>General Anthropology</td>
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<tr>
<td>GE 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
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<tr>
<td>ANT 2140</td>
<td>Archaeology and the Rise of Human Culture</td>
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<td>ENC 1102</td>
<td>Composition II</td>
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### Sophomore Year - Fall

15 hrs

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<th>Course Title</th>
<th>Hours</th>
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<td>Restricted Elective</td>
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<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>GE 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
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<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3 hrs</td>
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</table>

### Sophomore Year - Spring

15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GE 2000</td>
<td>General Anthropology</td>
<td>3 hrs</td>
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<tr>
<td>ANT 4586</td>
<td>Human Origins</td>
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### Junior Year - Fall

15 hrs

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<th>Course Title</th>
<th>Hours</th>
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<tbody>
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<td>Elective / Minor</td>
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<td>2 hrs</td>
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<tr>
<td>Elective / Minor</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>ANT 3145</td>
<td>Archaeology of Complex Societies</td>
<td>3 hrs</td>
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### Junior Year - Spring

15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Foreign Language</td>
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<td>4 hrs</td>
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<tr>
<td>Restricted Elective</td>
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<td>3 hrs</td>
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<tr>
<td>Elective / Minor</td>
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<td>3 hrs</td>
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<td>Elective / Minor</td>
<td></td>
<td>2 hrs</td>
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<tr>
<td>ANT 4586</td>
<td>Human Origins</td>
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### Senior Year - Fall

15 hrs

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td></td>
<td>3 hrs</td>
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<tr>
<td>Elective / Minor</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
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<td>3 hrs</td>
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</table>

### Senior Year - Spring

15 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<td>Free Elective</td>
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<td>3 hrs</td>
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<tr>
<td>Elective / Minor</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Applied Science (BAS) A.S. to B.S. Track (B.A.S.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Architecture (B.Des.)

College of Arts and Humanities

School of Visual Arts and Design

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

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia Community College and the University of Florida, as part of a 2+2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida.

### Admission Requirements

- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participate in a competitive portfolio pin-up review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements.

### Degree Requirements

- Students who change degree programs and select this major must adopt the current catalog.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0.
- Completion of at least 120 semester hours of course work, including all required courses.

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

- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (6 hrs)

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

- Completion of the A.A. in pre-Architecture from VCC or equivalent.

3. Core Requirements: Basic Level (34 hrs)

- A.A. Courses (completed in the A.A. in Architecture from VCC).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ARC 1701</td>
<td>History of Architecture I or equivalent</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARC 2702</td>
<td>History of Architecture II or equivalent</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARC 1301</td>
<td>Architectural Design I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ARC 1302</td>
<td>Architectural Design II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ARC 1201</td>
<td>Theory of Architecture</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
ARC 2303 Architectural Design III 5 hrs
ARC 2304 Architectural Design IV 5 hrs
ARC 2461 Materials and Methods of Construction 4 hrs
ARC 2180 Introduction to Digital Architecture 3 hrs

4. Core Requirements: Advanced Level (45 hrs)
- Completed as part of the Bachelor of Design program at UCF.

ARC 3181 Advanced Topics in Digital Architecture 3 hrs
ARC 3320L Architectural Design 5 6 hrs
ARC 3321L Architectural Design 6 6 hrs
ARC 3463 Materials and Methods of Construction 2 3 hrs
ARC 3503 Architectural Structures 3 hrs
ARC 3610 Environmental Technology 1 3 hrs
ARC 3743 Architectural History 3 3 hrs
ARC 4220 Architectural Theory 2 3 hrs
ARC 4322L Architectural Design 7 6 hrs
ARC 4323L Architectural Design 8 6 hrs
ARC 4620 Environmental Technology 2 3 hrs

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- None

Graduation
- None

8. Electives (10 hrs)
- Unrestricted electives can be any 3000 or 4000 level course offering or equivalent.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution meet have thereby satisfied UCF GEP requirements.

- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Art B.A. - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu/
Margaret Zahlo
Phone: 407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in lower level courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a school art history advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Required ARH 2050 History of Western Art I 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs
- Select a course from 1.B.1 list 3 hrs

C: Mathematical Foundations (6 hrs)
- 1 Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

1 may substitute a higher level math
UCF Degree Programs

2. Common Program Prerequisites (CPP) (6 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ARH 2050 History of Western Art I GEP 3 hrs
   ARH 2051 History of Western Art II GEP 3 hrs
   ART 2201C Design Fundamentals-Two Dimensional 3 hrs
   ART 2300C Drawing Fundamentals I 3 hrs

3. Core Requirements: Basic Level (3 hrs)
   ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
   ARH 4310 Italian Renaissance Art 3 hrs
   ARH 4430 19th Century Art 3 hrs
   ARH 4450 20th Century Art 3 hrs
   ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
   ENC 3311 Advanced Expository Writing 3 hrs

5. Restricted Electives (24 hrs)
   Select one Non-Western Art History course from the following:
   ARH 3520 African Art 3 hrs
   ARH 4450 20th Century Art 3 hrs
   ARH 4653 Meso American Art 3 hrs

   Select 18 additional hours from the following: 18 hrs
   ARH 3710 History of Photography I 3 hrs
   ARH 3720 History of Prints 3 hrs
   ARH 4150 Roman Art and Architecture 3 hrs
   ARH 4200 Medieval Art 3 hrs
   ARH 4350 Baroque Art 3 hrs
   ARH 4352 Italian Baroque Art 3 hrs
   ARH 4653 Meso American Art 3 hrs
   ARH 4871 Women in Art 3 hrs
   ARH 5897 Advanced Seminar in Art History 3 hrs
   ARH 3XXX-4XXX Additional Art History course 3 hrs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Met by graduation requirement.
   Graduation
   ■ Proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. German, French or Italian preferred, although other languages are acceptable with prior consent of advisor. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   ■ Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Achieve at least a “C” GPA (2.0) in courses within the major.
    ARH 4912 Directed Independent Research 1 hr
    ■ Computer Competency met by one of the following:
    ARH 3820 Visual Arts Administration Vitas 3 hrs
    GRA 2101C Introduction to Computer Art 3 hrs
    STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors in Major
■ None

Related Programs
■ Art B.F.A. - Studio Art Track
■ Art Education

Certificates
■ None

Related Minors
■ Art - Studio
■ Community Arts - PAVE

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

Freshman Year - Fall 12 hrs
ARH 2050 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs

Freshman Year - Spring 15 hrs
Restricted Elective 3 hrs
ARH 2051 History of Western Art II 3 hrs
ARH 2500 History of Non-Western Art 3 hrs
ENC 1102 Composition II 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
COM 1000 Introduction to Communication 3 hrs
ENC 3311 Advanced Expository Writing 3 hrs
POS 2041 American National Government 3 hrs

Sophomore Year - Spring 15 hrs
ANT 2000 General Anthropology 3 hrs
ARH 4540 Art of India 3 hrs
BSC 1005 Biological Principles 3 hrs
CHM 1020 Concepts in Chemistry 3 hrs
SPH 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall 15 hrs
ARH 3710 History of Photography I 3 hrs
ARH 4310 Italian Renaissance Art 3 hrs
ARH 4450 20th Century Art 3 hrs
ARH 4653 Meso American Art 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

UNIVERSITY OF CENTRAL FLORIDA
126 Undergraduate Catalog 2010-2011
Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
ARH 3711 History of Photography II 3 hrs
ARH 4430 19th Century Art 3 hrs
ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ARH 4350 Baroque Art 3 hrs
ARH 4XXX 3 hrs

Senior Year - Spring 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
ARH 4170 Greek & Roman Art 3 hrs
ART 4XXX 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art B.A. - Studio Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Ms. Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a laptop computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a school advisor in their specialization.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- 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.

Co-op credit cannot be used in the major.
- Students should consult with a school advisor in their specialization.
- 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.

1 May be repeated for credit.

Ceramics
ART 3761C Intermediate Ceramics 3 hrs
ART 4783C Advanced Ceramics 3 hrs

1 May be repeated for credit.

Drawing and Printmaking
ART 3332C Intermediate Drawing 3 hrs
ART 3433C Screenprinting 3 hrs
ART 4320C Advanced Drawing 3 hrs
ART 4402C Advanced Printmaking 3 hrs

1 May be repeated for credit.

Illustration
GRA 2151C Illustration 3 hrs
GRA 4154C Advanced Illustration 3 hrs

1 May be repeated for credit.

Painting
ART 3504C Intermediate Painting 3 hrs
ART 4505C Advanced Painting 3 hrs

1 May be repeated for credit.
UCF Degree Programs

Photography
PGY 2401C  Beginning Photography  3 hrs
PGY 4420C  Advanced Photography  3 hrs
PGY 4440C  Special Problems in Photography  3 hrs

1 May be repeated for credit.

Sculpture
ART 2701C  Sculpture  3 hrs
ART 4710C  Advanced Sculpture  3 hrs

1 May be repeated for credit.

Type and Design
GRA 3202C  Type & Design  3 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Met by graduation requirement.

Graduation
■ Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
■ Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Achieve at least a GPA (2.0) overall in courses within the major.
■ Computer Competency met by:
GRA 2101C  Introduction to Computer Art  3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Art B.A. - Visual Arts and Emerging Media Management Track
■ Art B.F.A. - Emerging Media Track
■ Art Education

Certificates
■ None

Related Minors
■ Digital Media

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
For common program prerequisites if taken.
GRA 2101C  Introduction to Computer Art  3 hrs
PGY 2401C  Beginning Photography  3 hrs

Plan of Study
Freshman Year - Fall 15 hrs
ARH 2050  History of Western Art I  3 hrs
ART 2823  Art as Interface  3 hrs
ENC 1101  Composition I  3 hrs
HUM 2210  Humanistic Tradition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs

Freshman Year - Spring 15 hrs
Restricted Elective  3 hrs
ARH 2051  History of Western Art II  3 hrs
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs
ENC 1102  Composition II  3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

Sophomore Year - Fall 15 hrs
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs
ART 2300C  Drawing Fundamentals I  3 hrs
ART 2301C  Drawing Fundamentals II  3 hrs
ART 3950  Portfolio Review  0 hrs
BSC 1005  Biological Principles  3 hrs
CHM 1020  Concepts in Chemistry  3 hrs

Sophomore Year - Spring 15 hrs
ANT 2000  General Anthropology  3 hrs
ART 2500  History of Non-Western Art  3 hrs
ART 3332C  Intermediate Drawing  3 hrs
GRA 2101C  Introduction to Computer Art  3 hrs
POS 2041  American National Government  3 hrs

Junior Year - Fall 16 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
ART 3161  Mixed Media  3 hrs
ART 4320C  Advanced Drawing  3 hrs
1 SPN 1120C  Elementary Spanish Language and Civilization I  4 hrs

Junior Year - Spring 16 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
ART 3161  Mixed Media  3 hrs
ART 4320C  Advanced Drawing  3 hrs
1 SPN 1121C  Elementary Spanish Language and Civilization II  4 hrs

Senior Year - Fall 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
ART 4350  Baroque Art  3 hrs
ART 4320C  Advanced Drawing  3 hrs
PGY 3410C  Intermediate Photography  3 hrs

Senior Year - Spring 15 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
ART 4430  19th Century Art  3 hrs
GRA 4154C  Advanced Illustration  3 hrs
PGY 4420C  Advanced Photography  3 hrs

1 Any language at this level is acceptable.

1 Any language at this level is accepted.

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Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art B.A. - Visual Arts and Emerging Media
Management Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design
Mr. Jack Lew, 407-823-2676

Note: Although the school maintains a computer lab for student use, majors must have continual access to a computer. Contact the program for the minimum hardware and software specifications.

Admission Requirements
- None

Degree Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review ONLY if they wish to enroll in upper division ART courses, otherwise, students in this program are not required to complete ART 3950-Portfolio Review. The Spring review takes place the first week of March. The Fall review takes place the first week of October.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design.
- Nine of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op internship credits are not permitted in this major without prior written permission.
- Students should consult with a School advisor prior to selecting a specialization and at least annually thereafter.

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

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)

Take all of the following:
- Suggested ARH 2050 History of Western Art I and ARH 2051 History of Western Art II 3 hrs
- Select a course from group B.1 or B.2 3 hrs

C: Mathematical Foundations (6 hrs)
- MGF 1106 Finite Mathematics 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (24 hrs)

ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
ART 2301C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs

ART 2XXX-4XXX Any ART prefix, studio, or media course 3 hrs
See “Common Prerequisites” in the Transfer and Transitions Services section for more information

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)
ARH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs

4. Core Requirements: Advanced Level (7 hrs)
ART 3950 Portfolio Review 0 hrs
GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

5. Restricted Electives (21 hrs)
- Select restricted electives as required from each of these four areas of emphasis:

Aesthetics and Theory 6 hrs

Select 2: 6 hrs
- ARH 3471 Art in the Last 25 Years or
- ARH 3711 History of Photography I or
- ARH 3712 History of Photography II or
- ARH 4450 20th Century Art or
- ARH 4800 Theory and Criticism of the Visual Arts or
- FIL 3041 History of Animated Films I or
- FIL 4042 History of Animated Films II or
- PHI 3800 Aesthetics 3 hrs

Written Communication 3 hrs

Select 1: 3 hrs
- DIG 3024 Digital Cultures & Narrative or
- ENC 3241 Writing for the Technical Professional or
- ENC 3250 Professional Writing or
- ENC 3311 Advanced Expository Writing 3 hrs

Information Management 6 hrs

Select 2: 6 hrs
- DIG 3480C Computer as a Medium or
- DIG 3525 Digital Media Production I or
- DIG 3563 Information Management and Entrepreneurship or
- DIG 3716C Internet Interaction or
- DIG 4630C Media Business Practices or
- DIG 5565C Digital Asset Management Systems 3 hrs

1 These courses may also be applied toward an 18 credit Minor in Technological Entrepreneurship

Business 3 hrs

Select 1: 3 hrs
- BUL 3130 Legal and Ethical Environment of Business or
- GEB 3113 How to Start a Business or
- MAN 3025 Management of Organizations or
- MAR 3023 Marketing 4 hrs

1 These courses may also be applied toward an 18 credit Minor in Technical Entrepreneurship

Arts Management 3 hrs
- Select one:
- ARE 3944 Community Arts Practicum 3 hrs
- ARE 4262 Methods in Art Administration 3 hrs
- ARH 3820 Visual Arts Administration Vitas 3 hrs
- FIL 4647 Film Production Management 3 hrs
- FIL 5612 Film and Internet Business 3 hrs
- PGY 3480 Museum and Gallery Practices 3 hrs

6. Capstone Requirements
DIG 4855 Converging Media Capstone 3 hrs

7. Foreign Language Requirements
UCF Degree Programs

Admissions

Met by graduation requirement

Graduation

Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

(Credit hours are variable)

Select primarily from upper level courses, with school advisor’s approval. May be outside of the school. (A maximum of six hours of Independent Study, Practicum, and Internship permitted.)

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

None

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Art B.F.A. - Studio Art Track

Art B.A. - History Track

Art Education

Certificates

None

Related Minors

Community Arts - PAVE

Digital Media

Technological Entrepreneurship

Advising Notes

None

Transfer Notes

Grades less than a “C” (2.0) are not accepted.

Courses taken at community colleges do not substitute for Upper Division courses.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide supporting information.

Acceptable Substitutes for Transfer Courses

Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:

GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
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<td>ART 2823</td>
<td>Art as Interface</td>
<td>3</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
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<td>MGF 1106</td>
<td>Finite Mathematics</td>
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1 req #1B1-GEP

2 req #1C1-GEP

Freshman Year - Spring

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<th>Course</th>
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<tr>
<td>ART 2051</td>
<td>History of Western Art II</td>
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<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimension</td>
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<tr>
<td>ENC 1102</td>
<td>Composition II</td>
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<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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1 Check restrictions

Sophomore Year - Fall

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<th>Course</th>
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<tr>
<td>ART 2200C</td>
<td>Design Fundamentals-Three Dimension</td>
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<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
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<td>ANT 2000</td>
<td>General Anthropology</td>
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<td>ARH 2500</td>
<td>History of Non-Western Art</td>
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<td>ART 3950</td>
<td>Portfolio Review</td>
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<td>BSC 1005</td>
<td>Biological Principles</td>
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<tr>
<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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</tr>
</tbody>
</table>

1 req #1A3-GEP

2 req #1D1-GEP

Sophomore Year - Spring

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<th>Course</th>
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<th>Hours</th>
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<tr>
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<td>General Anthropology</td>
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<td>ARH 2500</td>
<td>History of Non-Western Art</td>
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<td>ART 2300C</td>
<td>Drawing Fundamentals II</td>
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<td>ART 3950</td>
<td>Portfolio Review</td>
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<td>BSC 1005</td>
<td>Biological Principles</td>
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<td>CHM 1020</td>
<td>Concepts in Chemistry</td>
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1 Check restrictions

Junior Year - Fall

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<tr>
<td>Supporting Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
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<tr>
<td>SPN 1120C</td>
<td>Elementary Spanish Language and Civilization</td>
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1 req #5

2 Check restrictions

3 req #Lang/Elect

Junior Year - Spring

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
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<tr>
<td>Restricted Elective</td>
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</tr>
<tr>
<td>Restricted Elective</td>
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<td>3</td>
</tr>
<tr>
<td>Supporting Elective</td>
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<td>3</td>
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<tr>
<td>Supporting Elective</td>
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<td>3</td>
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<tr>
<td>SPN 1121C</td>
<td>Elementary Spanish Language and Civilization II</td>
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</table>

1 req #5

2 Check restrictions

3 req #Lang/Elect

Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<tbody>
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<tr>
<td>Supporting Elective</td>
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<td>3</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

1 req #5

2 Check restrictions
### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

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### Art B.F.A. - Emerging Media Track (B.F.A.)

**College of Arts and Humanities**

**School of Visual Arts and Design**

[http://www.svad.ucf.edu](http://www.svad.ucf.edu)

**E-mail**: svad@mail.ucf.edu

Jack Lew, 407-823-2676

The Emerging Media track allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to: Provide a solid foundation in techniques and theory in one focused area of competence. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems.

The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website ([http://www.cstore.ucf.edu](http://www.cstore.ucf.edu)) for the minimum hardware and software specifications.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Co-op or internship credits are not permitted in this major without prior written permission.
- Students should consult with a school advisor prior to selecting a specialization and at least annually thereafter.

#### 1. UCF General Education Program (GEP) (37 hrs)

**A: Communication Foundations** (9 hrs)

**B: Cultural & Historical Foundations** (9 hrs)

**Take all of the following:** 6 hrs

Required ARH 2050 History of Western Art I and 3 hrs

Required ARH 2051 History of Western Art II 3 hrs

Select a course from group B.1 3 hrs

#### C: Mathematical Foundations (7 hrs)

**Take all of the following:** 7 hrs

Required COP 2500C Concepts in Computer Science and 4 hrs

Required MAC 1105 College Algebra 3 hrs

#### D: Social Foundations (6 hrs)

#### E: Science Foundations (6 hrs)

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

ARH 2050 History of Western Art I GEP

ARH 2051 History of Western Art II GEP

ART 2201C Design Fundamentals-Two Dimensional 3 hrs

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

See "Common Prerequisites" in the Transfer and Transitions Services section for more information

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

ARH 2050 History of Western Art I 3 hrs

ART 2823 Art as Interface 3 hrs

COP 2500C Concepts in Computer Science GEP

DIG 2000 Introduction to Digital Media 3 hrs

DIG 2030C Digital Video Fundamentals 3 hrs

DIG 2109C Digital Imaging Fundamentals 3 hrs

DIG 2500C Fundamentals of Interactive Design 3 hrs

MAC 1105 College Algebra GEP

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

ART 3950 Portfolio Review 0 hrs

DIG 3024 Digital Cultures & Narrative 3 hrs

DIG 3480C Computer as a Medium 3 hrs

DIG 3525 Digital Media Production I 3 hrs

DIG 4780C Modeling for Realtime Systems 3 hrs

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

- **Specializations**

#### Graphic Design

- Graphic Design Basic Concentration - 18 hours

GRA 3102C Intermediate Graphic Design I 3 hrs

GRA 3112C Intermediate Graphic Design II 3 hrs

GRA 3202C Type & Design 3 hrs

GRA 3803C Intermediate Computer Graphic Design 3 hrs

GRA 4196C Advanced Graphic Design 3 hrs

GRA 4197C Special Problems in Graphic Design 3 hrs

#### Graphic Design - Restricted Electives - 21 hours

Complete 21 hours of credits from the following areas: 9 hours must be from 3000 or 4000 level art history courses, 12 hours from 3000 or 4000 ART, ARH, GRA, DIG courses or any 3000 or 4000 level course approved by the School.

#### Character Animation 39 hrs

- Character Animation Core - 15 hours

ART 3643C Digital Effects & Compositing 3 hrs

DIG 4325C Look Modeling Workshop 3 hrs

DIG 4326C Geometrical Modeling Workshop 3 hrs

FIL 3720C Introduction to Animation 3 hrs

FIL 3734C Intermediate Animation 3 hrs

#### Character Animation Basic Concentration - 24 hours

DIG 3355C Artificial Environments and Effects 3 hrs

DIG 3433C Visual Storytelling and Visual Development 3 hrs

DIG 4205C New Imagery in Motion Workshop 3 hrs

DIG 4359C Artificial Environments and Effects Workshop 3 hrs

DIG 4394C Motion Graphics: Advanced Compositing 3 hrs

DIG 4434C Narrative Techniques in the Moving Image 3 hrs

DIG 4451C Visual Storytelling and Visual Development Workshop 3 hrs

DIG 4486C Visual Language of Moving Image II 3 hrs

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**UCF Degree Programs**

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## Experimental Degree Programs

### Experimental Animation
- **Core - 15 hours**
  - ART 3643C Digital Effects & Compositing (3 hrs)
  - DIG 4325C Look Modeling Workshop (3 hrs)
  - DIG 4326C Geometrical Modeling Workshop (3 hrs)
  - FIL 3720C Introduction to Animation (3 hrs)
  - FIL 3734C Intermediate Animation (3 hrs)

- **Restricted Electives - 6 hours**
  - FIL 4735C Advanced Animation (3 hrs)
  - FIL 4750C Animation Workshop (3 hrs)

- **Restricted Electives - 18 hours**
  - Complete 18 hours of credits from the following areas:
    - Experimental Animation Core
    - Experimental Animation Restricted Electives
    - 18 hrs

### Capstone Requirements
- **None**

### Foreign Language Requirements
- **None**

### Admissions
- **Met by graduation requirement**

### Graduation
- **Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.**

### Electives
- **Unrestricted electives - credit hours varies with specialization**
- **Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, Communication, Computer Science, etc. as approved by the School.**

### Additional Requirements
- **None**

### Required Minors
- **None**

### Departmental Exit Requirements
- **None**

### University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- **60 semester hours earned after CLEP awarded**
- **48 semester hours of upper division credit completed**
- **30 of the last 39 hours of course work must be completed in residency at UCF**
- **A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted**
- **Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)**

### Total Semester Hours Required
- **124**

### Honors In Major
- **None**

### Related Programs
- **Art**
- **Computer Science**
- **English - Technical Communication**
- **Film**
- **Music**

### Certificates
- **None**

### Related Minors
- **Art - Studio**
- **Computer Science**
- **English - Technical Communication**
- **Film - Cinema Studies**

### Information Technology
- **Music**

### Advising Notes
- **None**

### Transfer Notes
- **Grades less than a “C” (2.0) are not accepted.**
- **Courses taken at community colleges do not substitute for Upper Division courses.**
- **Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.**

### Acceptable Substitutes for Transfer Courses
- **None**

### Plan of Study
- **None**

### Program Academic Learning Compacts
- **Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:**
  - [http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm](http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm)

### Equipment Fees
- **Part-Time Student: $31.50 per term**
- **Full-Time Student: $63.00 per term**

### Art B.F.A. - Studio Art Track (B.F.A.)

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

**http://www.svad.ucf.edu**

**E-mail: svad@mail.ucf.edu**

**Jack Lew**

**Phone: 407-823-2676**

The BFA degree prepares students for professional practices and is recommended for students who plan to attend graduate school. The BFA degree provides a solid foundation in techniques and theory in focused areas of competence.

### Admission Requirements
- **All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.**
- **Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Media Management tracks.**
- **Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.**
- **“D” grades from other institutions do not meet departmental requirements.**
- **Note: Individual portfolio reviews are not possible due to the large number of applicants.**

### Degree Requirements
- **Students who change degree programs and select this major must adopt the most current catalog.**
- **Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these must be in an area of specialization.**
- **Grades below “C” (2.0) in lower level ART of ARH courses do not satisfy major requirements.**
- **BFA students must maintain a 3.0 GPA in all ART courses.**
Co-op credit cannot be used in this major.

Students should consult with a school advisor in their studio specialization.

Course designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following: 6 hrs

Required ARH 2050 History of Western Art I and
Required ARH 2051 History of Western Art II 3 hrs

Select a course from group B.1

C: Mathematical Foundations (6 hrs)

Prefer STA 1060C Basic Statistics Using Microsoft Excel

Select 1: 3 hrs

1 MGF 1106 Finite Mathematics
2 MGF 1107 Explorations in Mathematics

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
1 ART 2203C Design Fundamentals-Three Dimensional 3 hrs
1 ART 2300C Drawing Fundamentals I 3 hrs
1 ART 2301C Drawing Fundamentals II 3 hrs
1 GRA 2101C Introduction to Computer Art 3 hrs
Any ART prefix, studio, or media courses at the 2000-4000 levels

See “Common Prerequisites” in the Transfer and Transitions Services section for more information

1 *See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)

ARH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs
ART 3950 Portfolio Review 0 hrs
GRA 2101C Introduction to Computer Art CPP

4. Core Requirements: Advanced Level (0 hrs)

■ None

5. Restricted Electives (42 hrs)

a. Specialization: 18 hrs

■ Select six upper division courses from one area: (classes with an asterisk may be repeated for credit)

Book Arts
ART 3170C Book Binding or 0 hr
ART 3171C Materials for Artist Books or 3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
ART 3176C The Illuminated Book or 3 hrs
ART 3737C Narrative Sculpture or 3 hrs
ART 4172C Book Repair and Restoration or 3 hrs
ART 4173C The Artist Book or 3 hrs
ART 4174C The Printed Book or 3 hrs
ART 4177C Commercial Book Design and Publishing or 3 hrs
ART 4644C Books Without Books 3 hrs

Ceramics
ART 3761C Intermediate Ceramics or 0 hr
ART 3764C Ceramic Handbuilding I or 3 hrs
1 ART 4783C Advanced Ceramics 3 hrs

Drawing
ART 3332C Intermediate Drawing or 3 hrs
1 ART 4320C Advanced Drawing 3 hrs

Drawing/Printmaking Combination
ART 3332C Intermediate Drawing or 3 hrs
ART 3433C Screenprinting or 3 hrs
1 ART 4320C Advanced Drawing or 3 hrs
1 ART 4402C Advanced Printmaking 3 hrs

Drawing/Illustration Combination
ART 3332C Intermediate Drawing or 3 hrs
1 ART 4320C Advanced Drawing or 3 hrs
GRA 2151C Illustration or 3 hrs
1 GRA 4154C Advanced Illustration 3 hrs

Painting
ART 3504C Intermediate Painting or 3 hrs
1 ART 4505C Advanced Painting 3 hrs

Photography
PGY 3410C Intermediate Photography or 3 hrs
1 PGY 4420C Advanced Photography or 3 hrs
PGY 4440C Special Problems in Photography 3 hrs

Sculpture
1 ART 4710C Advanced Sculpture 3 hrs

1 May be repeated for credit.

b. Electives in Art: 15 hrs

■ Select five Art courses; two of which may be lower division.
Select from at least three of the following areas, excluding the area of specialization.

Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

c. Additional Electives 9 hrs

■ Select three upper division Art History courses or
■ Select one upper division course in Art History or Humanities or
■ (A maximum of six hours of Independent Study, Practicum, and Internship are permitted).

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Met by graduation requirement

Graduation

■ Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the require-ment.

8. Electives

Select primarily from upper level courses, with school advisor's approval. May be outside of the department.

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements (3 hrs)

■ ART 4935 BFA Exhibit/Seminar required.
■ (BFA Exhibit Seminar is only offered during Spring Semester)
■ Achieve at least a “B” GPA (3.0) overall in courses within the major.

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UCF Degree Programs

- Each senior is required to submit a portfolio of representative work in the student’s specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
- Computer Competency met by STA 1060C or GRA 2101C.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art B.A. - History Track
- Art B.A. - Visual Arts and Emerging Media Management Track
- Art B.F.A. - Emerging Media Track
- Art Education

Certificates
- None

Related Minors
- Community Arts - PAVE

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C*. A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art Education (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/arted
Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses and Other Program Prerequisites with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet the Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education), 2. (Education Common Program Prerequisites), and 3. (Other Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are strongly advised to take the preferred courses.
  - A: Communication Foundations (9 hrs)
    - Required ENC 1101 Composition I 3 hrs
    - Required ENC 1102 Composition II 3 hrs
    - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
  - B: Cultural & Historical Foundations (9 hrs)
    - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
    - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
  - C: Mathematical Foundations (6 hrs)
    - Prefer MGF 1106 Finite Mathematics 3 hrs
  - Select 1:
    - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
    - Prefer STA 2014C Principles of Statistics 3 hrs
  - D: Social Foundations (6 hrs)
    - Prefer POS 2041 American National Government 3 hrs
    - Prefer PSY 2012 General Psychology 3 hrs
  - E: Science Foundations
    - Prefer PSC 1121 Physical Science 3 hrs
  - Select 1:
    - Prefer ANT 2511 The Human Species or 3 hrs
    - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - EDF 2005 Introduction to the Teaching Profession 3 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
### 3. Core Requirements: Basic Level (30 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C</td>
<td>Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C</td>
<td>Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C</td>
<td>Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2400C</td>
<td>Beginning Printmaking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2500C</td>
<td>Beginning Painting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2754C</td>
<td>Beginning Ceramics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GRA 2101C</td>
<td>Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2401C</td>
<td>Beginning Photography</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (30 hrs)

#### Education Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
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<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Safety Issues in Schools</td>
<td></td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Schools</td>
<td></td>
</tr>
</tbody>
</table>

#### Internship I (3 hrs)

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required art courses indicated above with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended during the first semester if CLAS was used for admission and before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://education.ucf.edu/arted/](http://education.ucf.edu/arted/). Students in Schools.

#### Specialization Requirements (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4250</td>
<td>Art for Exceptionalities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4351</td>
<td>Teaching Art in the Elementary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4352</td>
<td>Teaching Art in the Secondary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARE 4356</td>
<td>Teaching Art Appreciation &amp; Criticism in the</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Classroom</td>
<td></td>
</tr>
</tbody>
</table>

#### Restricted Electives (9 hrs)

- Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)

### 5. Capstone Requirements (12 hrs)

- Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- All art courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://education.ucf.edu/arted/](http://education.ucf.edu/arted/).
- 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARE 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 7. Foreign Language Requirements

#### Admissions

- State University System foreign language admission: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school)

#### Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 126

### Honors In Major

- None

### Related Programs

- None

### Certificates

- None

### Related Minors

- None

### Advising Notes

- None

### Transfer Notes

- None

### Acceptable Substitutes for Transfer Courses

- None

### Plan of Study

- The program of study will be affected by course offerings and availability. Please see the Art Education Web site at [http://education.ucf.edu/arted/](http://education.ucf.edu/arted/) for the advising policy.

### Freshman Year - Fall (15 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2005</td>
<td>Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Freshman Year - Spring (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2051</td>
<td>History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C</td>
<td>Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2065</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### UCF Degree Programs

#### Freshman Year - Summer
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ART 2203C Design Fundamentals - Three Dimensional 3 hrs
- BSC 1005 Biological Principles 3 hrs
- Select 1:
  - STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

#### Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- ART 2400C Beginning Printmaking 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

#### Sophomore Year - Summer
- GRA 2101C Introduction to Computer Art 3 hrs
- PGY 2401C Beginning Photography 3 hrs

#### Junior Year - Fall
- ARE 4366 Teaching Art Appreciation & Criticism in the Classroom 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

#### Junior Year - Spring
- ARE 4532 Teaching Art in the Secondary School 3 hrs
- ART 2500C Beginning Painting 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

#### Junior Year - Summer
- ART 2754C Beginning Ceramics 3 hrs
- Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval) 3 hrs

#### Senior Year - Fall
- ARE 3940 Internship 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

#### Senior Year - Spring
- ARE 4941 Internship 1 hr

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Athletic Training (B.S.)
**College of Health and Public Affairs**
**Department of Health Professions, Health and Public Affairs II, Room: 208**

http://www.cohpa.ucf.edu/health.pro/athletic_training.shtml

**E-mail:** atinfo@mail.ucf.edu

Kristen C. Schellhase
Phone: 407-823-2747

### Admission Requirements
- Students may only begin the athletic training program track in the Summer B semester and must have:
  - Acceptance to the university as an undergraduate student in Athletic Training Pending. (Acceptance into the University does not constitute admission into the Program in Athletic Training.)
  - A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st. Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.
  - A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.
  - Completion of an AA degree from a Florida Community College or completion of UCF’s General Education Program.
  - This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
  - Consent of Program Director.
  - A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).

### Technical Standards Requirement
- The Program in Athletic Training at University of Central Florida is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program’s accrediting agency (Commission on Accreditation of Athletic Training Education [CAATE]). The following abilities and expectations must be met by all students admitted to the Program in Athletic Training. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program. Compliance with the program’s technical standards does not guarantee a student’s eligibility for the BOC examination.
Candidates for selection to the Program in Athletic Training will be required to verify they understand and meet these technical standards or they believe that, with certain accommodations, they can meet the standards. The University of Central Florida will evaluate a student who states he/she could meet the program’s technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws. If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review of whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internship deemed essential to graduation. Each candidate must provide a copy of a recent physical examination by a physician.

Candidates for selection to the Program in Athletic Training must demonstrate:

- The mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
- Sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted techniques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
- The ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
- The ability to record the physical examination results and a treatment plan clearly and accurately;
- The capacity to maintain composure and continue to function well during periods of high stress;
- The perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
- Flexibility and the ability to adjust to changing situations and uncertainty in clinical situations;
- Affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Degree Requirements

- Students who are pending Athletic Training Track and are admitted to the major must adopt the most current catalog
- Students should complete the General Education Program, Admission Foreign Language requirement and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- Accepted students must agree to be available for practicum requirements which may occur during times and days which are outside of the UCF Academic Calendar; once admitted into the Program in Athletic Training, students must consult the Clinical Education Coordinator and/or Program Director well in advance of any potential scheduling conflicts
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)

   A: Communication Foundations (9 hrs)
   - Suggested: SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - None

2. Common Program Prerequisites (CPP) (15 hrs)

   - The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of a “C” (2.0) or better.
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (0 hrs)

   - None

4. Core Requirements: Advanced Level (62 hrs)

   Professional Phase

   - The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.

   5. Restricted Electives (0 hrs)

   - None

6. Capstone Requirements

   - None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None
UCF Degree Programs

8. Electives
- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sports & Fitness

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum overall GPA of 2.75 and a minimum grade of "C" (2.0) in prerequisite and major courses are required for graduation from the Program in Athletic Training. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE). Graduates are eligible to apply to take the Board of Certification (BOC) examination. The examination application requirements include criteria related to criminal history and academic disciplinary history. Applicants to the Program in Athletic Training are encouraged to investigate these requirements before beginning the Program in Athletic Training.
- Two years of successful clinical rotation under the direct supervision of an Approved Clinical Instructor (ACI).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Business Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track
- Health Services Administration
- Public Administration
- Sport and Fitness

Certificates
- None

Related Minors
- Courses leading to a teaching certificate (education) are also appropriate. Electives in advanced scientific, clinical or quantitative subjects are also advisable.
- Aging Studies
- Biology
- Business
- Coaching
- Education
- Fitness Training
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086)
- Biology I with Lab (BSC 1010 and BSC 1010L)
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- HSC 2000  Introduction to the Allied Health Professions  2 hrs
- MAC 1105  College Algebra  3 hrs
- PSTY 2012  General Psychology  3 hrs

Freshman Year - Spring 13 hrs
- BSC 2010C  Biology I  4 hrs
- ENC 1102  Composition II  3 hrs
- MAC 1114  College Trigonometry  3 hrs
- POS 2041  American National Government  3 hrs

Sophomore Year - Fall 14 hrs
- PHY 2053C  College Physics I  4 hrs
- STA 2023  Statistical Methods I  3 hrs
- ZOO 3733C  Human Anatomy  4 hrs

Select 1: 3 hrs
- AMH 2010  U.S. History: 1492-1877 or
- EUH 2000  Western Civilization I or
- HUM 2210  Humanistic Tradition I or
- WOH 2012  World Civilization I

Sophomore Year - Spring 16 hrs
- HUN 2002  Modern Concepts in Nutrition  3 hrs
- PCB 3703C  Human Physiology  4 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Select 1: 3 hrs
- MUL 2010  Enjoyment of Music or
- PHI 2100  Introduction to Philosophy or
- REL 2300  World Religions or
- THE 2000  Theatre Survey

Sophomore Year - Summer 10 hrs
- HUM 2002  Modern Concepts in Nutrition  3 hrs
- PCB 3703C  Human Physiology  4 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Select 1: 3 hrs
- AMH 2020  U.S. History: 1877-Present or
- EUH 2001  Western Civilization II or
- HUM 2230  Humanistic Tradition II or
- WOH 2022  World Civilization II

Sophomore Year - Fall 12 hrs
- Free Elective  3 hrs
- HSC 3147  Introduction to Pharmacology  3 hrs
- PET 3620  Principles of Athletic Training  3 hrs
- PET 4603C  Introduction to Athletic Training  3 hrs

Select 1: 3 hrs
- HSC 3147  Introduction to Pharmacology  3 hrs
- PET 3620  Principles of Athletic Training  3 hrs
- PET 4603C  Introduction to Athletic Training  3 hrs

Sophomore Year - Spring 12 hrs
- PET 4694C  Clinical Skills for Athletic Training II  2 hrs
- PET 4671L  Practicum in Athletic Training II  4 hrs
- PET 4615C  Biomechanics of Sport  3 hrs
- PET 4624C  Recognition and Evaluation of Athletic Injuries II  3 hrs

Junior Year - Fall 12 hrs
- Free Elective  3 hrs
- PET 3623C  Clinical Skills for Athletic Trainers I  2 hrs
- PET 3670L  Practicum in Athletic Training I  4 hrs

Select 1: 3 hrs
- PET 3623C  Clinical Skills for Athletic Trainers I  2 hrs
- PET 3670L  Practicum in Athletic Training I  4 hrs

Junior Year - Spring 12 hrs
- Free Elective  3 hrs
- PET 3623C  Clinical Skills for Athletic Trainers I  2 hrs
- PET 3670L  Practicum in Athletic Training I  4 hrs

Select 1: 3 hrs
- PET 3623C  Clinical Skills for Athletic Trainers I  2 hrs
- PET 3670L  Practicum in Athletic Training I  4 hrs

Junior Year - Summer 8 hrs
- PET 4630C  Therapeutic Exercise in Athletic Training  4 hrs
- PET 4632C  Therapeutic Modalities in Athletic Training  4 hrs

1 Not satisfied in high school

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Fall 12 hrs
- Free Elective  3 hrs
- PET 3623C  Clinical Skills for Athletic Trainers I  2 hrs
- PET 3670L  Practicum in Athletic Training I  4 hrs

Select 1: 3 hrs
- PET 3623C  Clinical Skills for Athletic Trainers I  2 hrs
- PET 3670L  Practicum in Athletic Training I  4 hrs

Junior Year - Summer 8 hrs
- PET 4630C  Therapeutic Exercise in Athletic Training  4 hrs
- PET 4632C  Therapeutic Modalities in Athletic Training  4 hrs

1 As needed to meet 120 hrs of university exit requirements.
### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15.00 per term

### Biology (B.S.)

**Department of Biology, BL, Room: 301**

**http://www.cos.ucf.edu/biology**

**E-mail: biology@ucf.edu**

Mr. Frank Logiudice

Phone: 407-823-2141

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 442L: Biology Laboratory Techniques  1 hr
  - BSC 4937: Instructional Experiences in Undergraduate Biology  2 hrs
- Upon reaching junior standing, Biology majors are expected to have completed the following courses and associate chemistry laboratories. These classes are prerequisites for advanced science classes and students entering the major without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C: Biology I  4 hrs
  - BSC 2011C: Biology II  4 hrs
  - CHM 2045C: Chemistry Fundamentals I  4 hrs
  - CHM 2046: Chemistry Fundamentals II  3 hrs
  - CHM 2046L: Chemistry Fundamentals Laboratory  1 hr
  - CHM 2210: Organic Chemistry I  3 hrs
  - CHM 2211: Organic Chemistry II  3 hrs
  - CHM 2211L: Organic Laboratory Techniques  2 hrs
  - PHY 2053C: College Physics I  4 hrs
  - PHY 2054C: College Physics II  4 hrs

### 1. UCF General Education Program (GEP) (38 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

#### A: Communication Foundations (9 hrs)
- Required ENC 1101: Composition I  3 hrs
- Required ENC 1102: Composition II  3 hrs
- Preferred SPC 1603: Fundamentals of Technical Presentations  3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

#### Mathematics:
- Required SPC 1603: Concepts of Calculus or
- Suggested MAC 2233: Calculus with Analytic Geometry I  4 hrs

#### Statistics:
- Required STA 2023: Statistical Methods I  3 hrs

### D: Social Foundations (6 hrs)

### E: Science Foundations (8 hrs)

- Required BSC 2010C: Biology I  4 hrs

Select the sequence identified by the Chemistry Placement exam:
- Note: Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/

- Required CHM 2233: Concepts of Calculus or
- Suggested MAC 2253: Calculus with Analytic Geometry I

#### 2. Common Program Prerequisites (CPP) (16 hrs)

#### Math requirement: Select one course
- Required MAC 2233: Concepts of Calculus or
- Suggested MAC 2253: Applied Calculus I or
- MAC 2311: Calculus with Analytic Geometry I

### NOTE: These courses are considered to be equivalents:

- CHM 2045C: Chemistry Fundamentals I  4 hrs
- CHM 2046: Chemistry Fundamentals II  3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory  1 hr
- STA 2023: Statistical Methods I  3 hrs

### Complete one entire physics sequence:
- PHY 2048C: Physics for Engineers & Scientists I and
- PHY 2049C: Physics for Engineers and Scientists II

### or
- PHY 2053C: College Physics I and
- PHY 2054C: College Physics II

### Equipment Fees
- Full-Time Student: $15.00 per term
- Part-Time Student: $7.50 per term
3. Core Requirements: Basic Level (8 hrs)
- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses. Students are urged to consult their departmental advisor.

STA 2023 Statistical Methods I GEP/CPP

Complete one entire chemistry sequence:
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs

or

CHM 2205 Introduction to Organic and Biochemistry and 5 hrs
CHM 3120 Analytical Chemistry and 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

4. Core Requirements: Advanced Level (13 hrs)

PCB 3023 Molecular Cell Biology 3 hrs
PCB 3044 Principles of Ecology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 4683 Evolutionary Biology 4 hrs

5. Restricted Electives (22 hrs)
- Courses must be selected from the groupings listed below.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

Form/Function 3 hrs

Complete a minimum of one lecture course from this group.
BCH 4053 Biochemistry I or 3 hrs
BCH 4054 Biochemistry II or 3 hrs
1 BOT 4223C Plant Anatomy or 4 hrs
1 BOT 4303C Plant Kingdom or 5 hrs
1 BOT 4503 Plant Physiology or 3 hrs
2 BSC 4101 History of Biology or 3 hrs
2 BSC 4454 Research in Animal Physiology or 2 hrs
2 PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
2 PCB 3063L Genetics Laboratory or 1 hr
PCB 3233 Immunology or 3 hrs
PCB 3703C Human Physiology or 4 hrs
2 PCB 4514 Genetics II or 3 hrs
PCB 4524 Molecular Biology II or 3 hrs
2 PCB 4683L Evolutionary Biology Lab or 1 hr
2 PCB 4684 Population Genetics or 3 hrs
3 PCB 4723 Animal Physiology or 4 hrs
2 PCB 5665C Human Genetics or 4 hrs
2 PCB 5935 Population Genetics or 3 hrs
1 ZOO 3713C Comparative Vertebrate Anatomy or 5 hrs
ZOO 3733C Human Anatomy or 4 hrs
3 ZOO 4603C Embryology/Development or 5 hrs
ZOO 4753C Vertebrate Histology 4 hrs

Environmental 3 hrs

Complete a minimum of one lecture course from this group.
1 BOT 3018C Botanical Botany of Tropical Invertebrates or 3 hrs
1 BOT 3152C Local Flora or 3 hrs
1 BOT 3802 Ethnobotany or 3 hrs
1 BOT 4156C Florida Wildflowers or 4 hrs
1 BOT 4686C Conservation and Management of Native Plants or 4 hrs
1 BSC 4312C Marine Biology or 4 hrs
1 BSC 4330 Invasion Biology or 3 hrs
1 BSC 5258L Tropical Biology Research and Conservation or 4 hrs
1 BSC 5824 Biogeography or 4 hrs
1 PAZ 4234 Zoo and Aquarium Management or 3 hrs
1 PCB 3044L Principles of Ecology Laboratory or 1 hr
1 PCB 3304C River Ecology or 4 hrs
1 PCB 3355C Tropical Marine Biology or 2 hrs
1 PCB 3442 Florida Aquatic Ecology or 3 hrs
1 PCB 5326C Ecosystems of Florida or 5 hrs
1 PCB 5435C Marine Ecology of Florida or 4 hrs
1 PCB 5485 Models in Ecology or 3 hrs
1 ZOO 4513 Animal Behavior 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Fulfills Biology requirement.
3 Fulfills Zoology requirement. Offered in Biology department.

Systematic 3 hrs

Complete a minimum of one lecture course from this group.
BOT 4454C General Mycology or 4 hrs
1 BOT 4713C Plant Taxonomy or 5 hrs
1 BOT 5485C Terrestrial Cryptogams or 3 hrs
1 ENY 4004C General Entomology or 4 hrs
1 ENY 5006C Entomology or 4 hrs
1 MCB 3020C General Microbiology or 5 hrs
2 ZOO 4205C Biology and Ecology of Metazoan Invertebrates or 4 hrs
2 ZOO 4310C Vertebrate Evolution & Ecology or 4 hrs
2 ZOO 4480 Mammalogy or 4 hrs
2 ZOO 5456C Ichthyology or 4 hrs
2 ZOO 5463C Herpetology or 4 hrs
2 ZOO 5475L Field Ornithology 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Fulfills Zoology requirement. Offered in Biology department.

Systematic 3 hrs

Complete a minimum of one lecture course from this group.
BOT 4454C General Mycology or 4 hrs
1 BOT 4713C Plant Taxonomy or 5 hrs
1 BOT 5485C Terrestrial Cryptogams or 3 hrs
1 ENY 4004C General Entomology or 4 hrs
1 ENY 5006C Entomology or 4 hrs
1 MCB 3020C General Microbiology or 5 hrs
2 ZOO 4205C Biology and Ecology of Metazoan Invertebrates or 4 hrs
2 ZOO 4310C Vertebrate Evolution & Ecology or 4 hrs
2 ZOO 4480 Mammalogy or 4 hrs
2 ZOO 5456C Ichthyology or 4 hrs
2 ZOO 5463C Herpetology or 4 hrs
2 ZOO 5475L Field Ornithology 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.
2 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements

140 Undergraduate Catalog 2010-2011
11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Environmental Engineering
- Molecular Biology and Microbiology
- Science Education - Biology

Certificates
- None

Related Minors
- Biology
- Environmental Studies
- Molecular Biology and Microbiology

Advising Notes
- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:
  - BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
  - BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010 and BOT X010 with labs.
  - CHM 2045C: may use CHM X040 plus CHM X041.
  - Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall
- BSC 2010C: Biology I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- ENC 1101: Composition I 3 hrs
- Math Course 4 hrs

### Freshman Year - Spring
- Free Elective 3 hrs
- BSC 2011C: Biology II 4 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- ENC 1102: Composition II 3 hrs

### Sophomore Year - Fall
- CHM 2210: Organic Chemistry I 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs
- PCB 3044: Principles of Ecology 3 hrs
- STA 2023: Statistical Methods I 3 hrs

### Sophomore Year - Spring
- GEP 3 hrs
- Restricted Elective 5 hrs
- Free Elective 2 hrs
- CHM 2211: Organic Chemistry II 3 hrs
- PCB 3063: Genetics 3 hrs

### Junior Year - Fall
- Restricted Elective 5 hrs
- Free Elective 3 hrs
- PCB 3053: Molecular Cell Biology 3 hrs
- PHY 2053C: College Physics I 4 hrs

### Junior Year - Spring
- Restricted Elective 4 hrs
- Restricted Elective 4 hrs
- Free Elective 3 hrs
- PHY 2054C: College Physics II 4 hrs

### Senior Year - Fall
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- PCB 4683: Evolutionary Biology 4 hrs

### Senior Year - Spring
- GEP 3 hrs
- Restricted Elective 4 hrs
- Free Elective 4 hrs
- GEP 3 hrs

*CHM 2211L: Organic Laboratory Techniques I 2 hrs

1 May be taken in an earlier term if space permits.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term
## UCF Degree Programs

### 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)  
**E-mail: biology@ucf.edu**  
Mr. Frank Logiudice  
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.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major.
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements) are usually completed in the first 60 hours.
- No more than 4 hours of Independent Study, Directed Research, or the following similar types of credit, may be applied toward major requirements:
  - BSC 4422L Biology Laboratory Techniques 1 hr
  - BSC 4937 Instructional Experiences in Undergraduate Biology 2 hrs
- Upon reaching junior standing, Biology majors are expected to have completed the following courses. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  - BSC 2010C Biology I 4 hrs
  - BSC 2011C Biology II 4 hrs
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - PHY 2053C College Physics I 4 hrs
  - PHY 2054C College Physics II 4 hrs

### 1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

#### A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Preferred ENC 1102 Composition II 3 hrs
- Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (7 hrs)

#### Mathematics: 4 hrs
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

#### Statistics: 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

### 2. Core Requirements: Basic Level (5 hrs)

#### 3. Core Requirements: Advanced Level (13 hrs)

#### 4. Core Requirements: Basic Level (8 hrs)

#### 5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.
- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.
Forms/Function

Complete a minimum of one lecture course from this group.  3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>3</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>3</td>
</tr>
<tr>
<td>1 BSC 4454</td>
<td>2</td>
</tr>
<tr>
<td>2 PCB 3024L</td>
<td>2</td>
</tr>
<tr>
<td>2 PCB 3063L</td>
<td>1</td>
</tr>
<tr>
<td>PCB 3233</td>
<td>3</td>
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<tr>
<td>2 PCB 4514</td>
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<td>1 PCB 4723</td>
<td>4</td>
</tr>
<tr>
<td>2 PCB 5665C</td>
<td>4</td>
</tr>
<tr>
<td>1 ZOO 3713C</td>
<td>5</td>
</tr>
<tr>
<td>1 ZOO 4603C</td>
<td>5</td>
</tr>
<tr>
<td>ZOO 4753C</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Fulfills Zoology requirement. Offered in Biology department.
2 Offered in Biology department.

Environmental

Complete a minimum of one lecture course from this group.  3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 BOT 3802</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group.  3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCB 3020C</td>
<td>5</td>
</tr>
<tr>
<td>1 ZOO 4205C</td>
<td>4</td>
</tr>
<tr>
<td>1 ZOO 4310C</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of one foreign language in high school, or one year of one foreign language in college (equivalent proficiency exam) prior to graduation.

Graduation

Spanish is highly recommended.

8. Electives

Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.

To demonstrate Computer Competency students are expected to 1) check and maintain their campus electronic mail account and 2) be capable of locating, viewing, and retrieving class and research information on the World Wide Web.

Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.

- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

- Biology
- Chemistry
- Molecular Biology and Microbiology

Certificates

None

Related Minors

- Biology
- Molecular Biology and Microbiology

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student's responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
- An analysis of the success and failure of students on recent MCAT examinations has led the department to suggest that a student should have completed all of the Biology core courses (sections 3 and 4) and the following courses prior to taking the MCAT exam:
  - MCB 3020C General Microbiology 5 hrs
  - PCB 4524 Molecular Biology II 3 hrs

Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the undergraduate program coordinator for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work:

- BSC 2010C: May substitute the Honors version BSC X040C. Although the CPP is satisfied by PCB X011C, it will not satisfy prerequisites for subsequent Biology courses.
- BSC 2011C: May substitute the Honors version BSC X041C or both ZOO X010C and BOT X010C.
- CHM 2045C: may use CHM X040 plus CHM X041.
- Physics: although the CPP is satisfied by Organic Chemistry, both subjects are required by the degree program and both must be taken.
- Statistics: although a number of math and statistics course will satisfy the CPP, this statistics course is required in the program.
UCF Degree Programs

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test at http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- Math prerequisite/Restricted Elective 4 hrs

Freshman Year - Spring 15 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- Math prerequisite/Restricted Elective 4 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PCB 3044 Principles of Ecology 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PCB 3063 Genetics 3 hrs

Junior Year - Fall 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Junior Year - Spring 14 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 4 hrs
- Free Elective 2 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

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

A: Communication Foundations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
- Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
- Required MAC 2253 Applied Calculus I or
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I GEP
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP
- PHY 2053C College Physics I 4 hrs
- PHY 2054C College Physics II 4 hrs
- STA 2023 Statistical Methods I GEP

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (0 hrs)
- None

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

Biotechnology (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E Kolattukudy, Chair
Dr. Henry Daniell, Program Director, daniell@mail.ucf.edu
Phone: 407-823-5932

The Biotechnology B.S. produces highly trained workers that will meet the workforce needs of the biotechnology industry. Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet most of the admission requirements for those programs while obtaining a Biotechnology B.S. degree.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below “C-”(1.75) in life science courses will not be accepted

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

A: Communication Foundations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
- Required STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs
- Required MAC 2253 Applied Calculus I or
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- BSC 2010C Biology I GEP
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP
- PHY 2053C College Physics I 4 hrs
- PHY 2054C College Physics II 4 hrs
- STA 2023 Statistical Methods I GEP

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (0 hrs)
- None
4. Core Requirements: Advanced Level (52 hrs)

**Life Sciences**
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs

**Chemistry**
- BCH 4053 Biochemistry I 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2211L Organic Laboratory Techniques I 2 hrs

**Physics**
- PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs
- or
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

**Math**
- Select 1: 3 hrs
  - MAC 2253 Applied Calculus I or
  - MAC 2311 Calculus with Analytic Geometry I GEP

5. Restricted Electives (6 hrs)
- Two courses minimum, no more than one may be taken outside the Molecular Biology and Microbiology Department. Each graduate must complete 3 credits of MCB 4912 or MCB 4970H or serve an internship. Only three hours of Honors thesis or undergraduate research will count toward the restrictive elective requirement.
- Those students who do not qualify for the MCB 4970H may elect MCB 4912, Undergraduate Research, as a substitute course, but a research report must be submitted to instructor after completion of research project.

**Related Programs**
- Biology
- Chemistry
- Medical Laboratory Sciences
- Molecular Biology and Microbiology

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.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives
- A minimum of 20 hours must be taken at UCF in the department of the major
- Students will be required to pass a comprehensive test during their last semester

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of coursework must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

**Honors in Major**
- Application and admission through the department and the Burnett Honors College
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution
- Complete the following with a grade of B or better:
  - BSC 3403H Quantitative Biological Methods-Honors 4 hrs
  - Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis
  - MCB 4970H Honors Undergraduate Thesis II 3 hrs

**Related Programs**
- Biology
- Chemistry
- Medical Laboratory Sciences
- Molecular Biology and Microbiology

**Certificates**
- None

**Related Minors**
- Biology
- Chemistry
- Molecular Biology and Microbiology

**Advising Notes**
- None

**Transfer Notes**
- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I
### Acceptable Substitutes for Transfer Courses
- **Substitutes for Common Program Prerequisites**
- MAC X311 or MAC X233 or MAC X353 or MAC X281
- PHY X253C & PHY X054C or PHY X048/X048L & PHY X049/X049L
- STA X023 or STA X122 or STAX014 or STA X024 or STA X321

### Acceptable Substitutes
- BSC 2011C Biology II 4 hrs
  - may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
  - may be substituted with: CHM 2040
  - may be substituted with: CHM 2041
  - CHM 2045C may be substituted with CHM 2040 and CHM 2041 4 hrs

### Plan of Study

#### Freshman Year - Fall
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- Select 1: 3 hrs
  - ANT 2000 General Anthropology or 3 hrs
  - PSY 2012 General Psychology or 3 hrs
  - SYG 2000 Introduction to Sociology 3 hrs

#### Freshman Year - Spring
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

#### Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
  - Select 1: 4 hrs
    - MAC 2253 Applied Calculus I or 3 hrs
    - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - Select 1:
    - AMH 2010 U.S. History: 1492-1877 or 3 hrs
    - EUH 2000 Western Civilization I or 3 hrs
    - HUM 2210 Humanistic Tradition I or 3 hrs
    - WOH 2012 World Civilization I 3 hrs
- Sophomore Year - Spring
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
  - Select 1:
    - CGS 1060C Introduction to Computer Science or 3 hrs
    - STA 2023 Statistical Methods I 3 hrs
  - Select 1:
    - AMH 2020 U.S. History: 1877-Present or 3 hrs
    - EUH 2001 Western Civilization II or 3 hrs
    - HUM 2230 Humanistic Tradition II or 3 hrs
    - WOH 2022 World Civilization II 3 hrs

#### Junior Year - Fall
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- PCB 3522 Molecular Biology I 3 hrs
  - Select 1:
    - ECO 2013 Principles of Macroeconomics or 3 hrs
    - POS 2041 American National Government 3 hrs
  - Select 1:
    - PHY 2048C Physics for Engineers & Scientists I or 4 hrs
    - PHY 2053C College Physics I 4 hrs

#### Junior Year - Spring
- BCH 4053 Biochemistry I 3 hrs
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring
- BCH 4053 Biochemistry I 3 hrs
- PCB 3522 Molecular Biology I 3 hrs
  - Select 1: 4 hrs
    - PHY 2049C Physics for Engineers and Scientists II or 4 hrs
    - PHY 2054C College Physics II 4 hrs
  - Select 1:
    - MCB 4414 Microbial Metabolism 3 hrs
    - PCB 4174 Foundation of Bio-Imaging Science 3 hrs
    - PCB 4529 Experimental Molecular Biology 3 hrs
    - Restricted Elective 3 hrs

- **For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided**
  - [It is assumed that GEP and physics will be completed at cc]:

#### Junior Year - Fall
- MCB 4720 Industrial Perspectives Seminar 3 hrs
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs
- PCB 3522 Molecular Biology I 3 hrs

#### Junior Year - Spring
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4720 Industrial Perspectives Seminar 3 hrs

#### Senior Year - Fall
- MCB 4312 Molecular Biotechnology 3 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- MCB 4721C Methods in Biotechnology 4 hrs
- Elective 3000 level 3 hrs

#### Senior Year - Spring
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- PCB 4529 Experimental Molecular Biology 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oears.ucf.edu/alc/academic_learning_compacts.htm](http://www.oears.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

### Business
- See General Business

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1. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF’s undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor.

Not eligible for a double degree or double major with another CBA major.

Admission Requirements
- 2.0 GPA and completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of "C" (2.0) or better in each course applied toward the major.

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

A: Communication Foundations (9 hrs)
Preferred: SPC 1508: Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Required: MAC 1140: Pre-Calculus Algebra 3 hrs
Required: STA 2023: Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1:
Suggested: ECO 2013: Principles of Macroeconomics or Principles of Microeconomics 3 hrs
Suggested: ECO 2023: Principles of Macroeconomics 3 hrs

Select 1:
Suggested: ANT 2000: General Anthropology or
Suggested: PSY 2012: General Psychology or
Suggested: SYG 2000: Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a "C" (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ACG 2021: Principles of Financial Accounting 3 hrs
ACG 2071: Principles of Managerial Accounting 3 hrs
CGS 2100C: Computer Fundamentals for Business 3 hrs
ECO 2013: Principles of Macroeconomics 3 hrs
ECO 2023: Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Must earn a “C” (2.0) or better in both MAC 2233 and STA 2023 to be waived from ECO 3401.
- ECO 3401: Quantitative Business Tools I 3 hrs
- or
- STA 2123: Concepts of Calculus and
- STA 2023: Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)

First of subsequent semester in the College of Business Administration:

BUL 3130: Legal and Ethical Environment of Business 4 hrs
ECO 3411: Quantitative Business Tools II 4 hrs
FIN 3403C: Business Finance 4 hrs

1 Required in the 1st or 2nd semester

GEB 3031: Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L: Cornerstone Lab: Professional Skills for Business 1 hr

GEB 3375: Introduction to International Business 4 hrs

ISM 3011C: Essentials of Management Information Systems 4 hrs

MAN 3035: Management of Organizations 4 hrs
MAR 3023: Marketing 4 hrs

5. Restricted Electives (0 hrs)
- None

6. Capstone Requirements (4 hrs)

MAN 4720: Strategic Management 4 hrs

This course should be taken in the graduating term and requires the following prerequisites:

FIN 3403C: Business Finance 4 hrs
GEB 3031: Cornerstone: Professional Skills for Business 3 hrs
MAN 3025: Management of Organizations 4 hrs
MAR 3023: Marketing 4 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- Existing non-business minor offered at Regional Campuses

11. Departmental Exit Requirements
- None
UCF Degree Programs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 18 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.
- Program Academic Learning Compacts/ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting may be substituted with ACG X001 and X011.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Chemistry (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 117
http://chemistry.cos.ucf.edu/
E-mail: chemstafl@mail.ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  CHM 2045C Chemistry Fundamentals I 4 hrs
  CHM 2046 Chemistry Fundamentals II 3 hrs
  CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  CHM 2210 Organic Chemistry I 3 hrs
  CHM 2211 Organic Chemistry II 3 hrs
  CHM 2211L Organic Laboratory Techniques I 2 hrs
  MAC 2311 Calculus with Analytic Geometry I 4 hrs
  MAC 2312 Calculus with Analytic Geometry II 4 hrs
  PHY 2048C Physics for Engineers & Scientists I 4 hrs
  PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Prefer STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (24 hrs)
- Prior to enrolling in Chemistry, you must take the Chemistry Placement Test – http://chemplacement.sdes.ucf.edu

3. Core Requirements: Basic Level (4 hrs)
- BSC 2010C Biology I 4 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP 3 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP/CPP 4 hrs
- PHY 2049C Physics for Engineers and Scientists I 3 hrs

4. Core Requirements: Advanced Level (34 hrs)
- BCH 4053 Biochemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3211L Calculus with Analytic Geometry I 2 hrs
- CHM 3411 Physical Chemistry I 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4130L Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4931 Chemistry Seminar II 1 hr

5. Restricted Electives (6 hrs)
- BCH 4054 Biochemistry II 3 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 5120 Organic Chemistry 3 hrs
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- CHM 5450 Polymer Chemistry 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs
- CHM 5580 Advanced Physical Chemistry 3 hrs
- CHS 4200 Concepts in Industrial Chemistry 3 hrs
- CHS 4615 Environmental Chemistry 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- Computer Competency met by their statistics course or by departmental assessment.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research 4 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors

- None

11. Departmental Exit Requirements
- Students are required to take a nationally normed test in chemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the Department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Chemistry - Biochemistry Track
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology
- Science Education - Chemistry

Certificates
- None

Related Minors
- Chemistry
- Molecular Biology and Microbiology
UCF Degree Programs

Advising Notes
- Students must satisfy each course’s prerequisites before enrolling in the class.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF.
- CHM 2045C: may use CHM X040C plus CHM X041C.
- Physics & Lab: Although the CPP allows substitution by other physics courses, they will not satisfy the major; thus the specified physics courses will still have to be taken.
- Physics: Although the CPP allows substitution by Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, you must take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/.
- Before registering for Math, you must take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 14 hrs
- GEP 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- Free Elective 2 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 16 hrs
- GEP 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs

Junior Year - Spring 16 hrs
- Restricted Elective 3 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs

Senior Year - Fall 16 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs
- CHM 4610L Inorganic Chemistry Laboratory 2 hrs
- CHM 4912 Directed Independent Research 2 hrs
- CHM 4930 Chemistry Seminar I 1 hr

Senior Year - Spring 15 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- CHM 4942 Directed Independent Research 2 hrs
- CHM 4931 Chemistry Seminar II 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.o eas.ucf.edu/al/academic_learning_compacts.htm

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

Chemistry - Biochemistry Track (B.S.)

College of Sciences
Department of Chemistry, CH, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemstaf@mail.ucf.edu
Dr. Pedro Patino
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major.
- Students should consult with a departmental advisor before registering.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - CHM 2046 Chemistry Fundamentals II 3 hrs
  - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  - CHM 2210 Organic Chemistry I 3 hrs
  - CHM 2211 Organic Chemistry II 3 hrs
  - CHM 2211L Organic Laboratory Techniques I 2 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - PHY 2049C Physics for Engineers & Scientists II 4 hrs
  - PHY 2049C Physics for Engineers and Scientists II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)
- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
- Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Prefer: STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)
- Required: BSC 2010C Biology I 4 hrs
- Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs

2. Common Program Prerequisites (CPP) (20 hrs)
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

NOTE: These courses are considered as equivalents:
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or
- CHM 2040C Chemistry Fundamentals IA and 3 hrs
- CHM 2041C Chemistry Fundamentals IB and 3 hrs

3. Core Requirements: Basic Level (14 hrs)
- BSC 2010C Biology I GEP
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- MAC 2313 Calculus with Analytic Geometry III GEP 4 hrs
- PHY 2048C Physics for Engineers & Scientists I GEP
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following statistics courses 0 hr
- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (40 hrs)
- BCH 4053 Biochemistry I 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4912 Directed Independent Research 4 hrs
- CHM 4930 Chemistry Seminar I 1 hr
- CHM 4931 Chemistry Seminar II 1 hr
- MCB 3020C General Microbiology 5 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3063 Genetics 3 hrs

5. Restricted Electives (7 hrs)

Select from the following:
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 4912L Advanced Independent Study 1 hr
- CHM 5225 Advanced Organic Chemistry 3 hrs
- CHM 5235 Applied Molecular Spectroscopy 3 hrs
- PCB 3522 Molecular Biology I 3 hrs

Additional upper level courses as approved by a departmental advisor.

Additional physical, biological, and mathematical sciences courses.

- In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
- These courses should be at least at the 3000 level.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- Computer Competency met by statistics or by departmental assessment.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
  - CHM 4912 Directed Independent Research 4 hrs
  - CHM 4930 Chemistry Seminar I 1 hr
  - CHM 4931 Chemistry Seminar II 1 hr

10. Required Minors
- None

11. Departmental Exit Requirements
- Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Molecular Biology and Microbiology

Certificates
- None
UCF Degree Programs

Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 17 hrs
- GEP 3 hrs
- GEP 3 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall 14 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Statistics 3 hrs

Sophomore Year - Spring 16 hrs
- GEP 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 14 hrs
- GEP 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- PCB 3063 Genetics 3 hrs

Junior Year - Spring 13 hrs
- GEP 3 hrs
- BCH 4054 Biochemistry II 3 hrs
- BCH 4103L Biochemical Methods 2 hrs
- MCB 3020C General Microbiology 5 hrs

Senior Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- CHM 3410 Physical Chemistry I 4 hrs
- CHM 4220 Organic Chemistry III 3 hrs
- CHM 4912 Directed Independent Research 1 hr
- CHM 4930 Chemistry Seminar I 1 hr

Senior Year - Spring 15 hrs
- GEP 3 hrs
- CHM 3411 Physical Chemistry II 3 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 4610 Inorganic Chemistry 3 hrs
- CHM 4912 Directed Independent Research 3 hrs
- CHM 4931 Chemistry Seminar II 1 hr

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alp/academic_learning_compacts.htm

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

Cinema Studies Track in Film

See Film - Cinema Studies Track

Civil Engineering (B.S.C.E.)

College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Ms. Carol Ann Pohl, cpohl@mail.ucf.edu
Dr. F. Necati Catbas, catbas@mail.ucf.edu
Phone: 407-823-2841

Admission Requirements
- None

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1003 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3023 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2013 Principles of Macroeconomics or
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations 3 hrs
2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (5 hrs)

- CHM 2040C Chemistry Fundamentals IA and
- CHM 2041C Chemistry Fundamentals IB

Select one of the following sequences of courses:

- CHM 2040C Chemistry Fundamentals IA and
- CHM 2041C Chemistry Fundamentals IB
- or
- CHM 2045C Chemistry Fundamentals I
- or
- CHS 1440 Fundamentals of Chemistry for Engineers

4. Core Requirements: Advanced Level (57 hrs)

- CCE 4003 Introduction to the Construction Industry
- CEG 4011C Geotechnical Engineering I
- CES 4100C Structural Analysis I and Lab
- CGN 3501C Civil Engineering Materials
- CWR 3201 Engineering Fluid Mechanics
- CWR 4101C Hydrology
- CWR 4203C Hydraulics
- EGN 3310 Engineering Analysis-Statics
- EGN 3321 Engineering Analysis-Dynamics
- EGN 3331 Mechanics of Materials
- EGN 3343 Thermodynamics
- EGN 3373 Principles of Electrical Engineering
- EGN 3613 Engineering Economic Analysis
- ENV 3001 Introduction to Environmental Engineering
- ENV 4561 Environmental Engineering - Process Design
- STA 3032 Probability and Statistics for Engineers
- SUR 2101C Surveying
- TTE 4004 Transportation Engineering

Select 1:

- CES 4605 Steel Structures
- CES 4702 Reinforced Concrete Structures

5. Restricted Electives (3 hrs)

- Technical electives are available in the BSCE program to address specific student interests in a variety of technical areas. Students should consult the CECE Web site and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- Required Senior Design Courses

Select 2:

- CES 4801C Geotechnical Engineering Design
- CES 4608C Steel Design
- CES 4709C Concrete Design
- CGN 4808C Civil Engineering Capstone Design
- CWR 4812C Water Resources Design
- ENV 4562C Environmental Engineering Systems Design
- TTE 4601C Urban Systems Design

7. Foreign Language Requirements

Admissions

- Two years of foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- Civil engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Construction Engineering
- Environmental Engineering

Certificates

- None

Related Minors

- Engineering Leadership
- Mathematics

Advising Notes

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Civil Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.
UCF Degree Programs

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
14 hrs
GEP
EGN 1006C Introduction to the Engineering Profession
ENC 1101 Composition I
MAC 2311 Calculus with Analytic Geometry I

Select 1:
ECO 2013 Principles of Macroeconomics or
ECO 2023 Principles of Microeconomics

Freshman Year - Spring
14 hrs
EGN 1007C Engineering Concepts and Methods
EGN 3113 Engineering Economic Analysis
ENC 1102 Composition II
MAC 2312 Calculus with Analytic Geometry II

Sophomore Year - Fall
14 hrs
GEP
CHM 2045C Chemistry Fundamentals I
EGN 3310 Engineering Analysis-Statics
MAC 2313 Calculus with Analytic Geometry III

Sophomore Year - Spring
16 hrs
GEP
CHM 2046 Chemistry Fundamentals II
EGN 3321 Engineering Analysis-Dynamics
MATH 2233 Differential Equations

Sophomore Year - Summer
9 hrs
EGN 3331 Mechanics of Materials
ENV 3001 Introduction to Environmental Engineering
SUR 2101C Surveying

Junior Year - Fall
16 hrs
CCE 4003 Introduction to the Construction Industry
CES 4100C Structural Analysis I and Lab
CWR 3201 Engineering Fluid Mechanics
SPC 1603 Fundamentals of Technical Presentations
STA 3032 Probability and Statistics for Engineers

Junior Year - Spring
16 hrs
GEP
CWR 4101C Hydrology
CWR 4203C Hydraulics
EGN 3373 Principles of Electrical Engineering
TTE 4004 Transportation Engineering

Senior Year - Fall
14 hrs
CEG 4011C Geotechnical Engineering I
ENV 4561 Environmental Engineering - Process Design

Select 1:
CES 4605 Steel Structures or
CES 4702 Reinforced Concrete Structures

Design Course #1
3 hrs

Senior Year - Spring
15 hrs
Restricted Elective
GEP
CGN 3501C Civil Engineering Materials
EGN 3343 Thermodynamics
Design Course #2

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Communication Sciences and Disorders (B.A. / B.S.)
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101 http://www cohpa.ucf.edu/comdis/ E-mail: comdisug@mail.ucf.edu
R. Jane Lieberman Phone: 407-823-4798

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in section 1 below may be taken at a Florida public community college, and usually should be completed in the first 60 hours
- Students must earn at least a “C-” (1.75) in each required course, restricted elective, and B.A./B.S. elective
- Communication Sciences and Disorders is an unrestricted major, however, negative criminal background checks may result in the inability to complete coursework in this major

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Select 1:
   Suggested STA 2014C Principles of Statistics or
   Suggested STA 2023 Statistical Methods I
   Select 1:
   Suggested MGF 1106 Finite Mathematics or
   Suggested MGF 1107 Explorations in Mathematics
   D: Social Foundations (6 hrs)
   Suggested PSY 2012 General Psychology
   Select 1:
   Suggested ECO 2013 Principles of Macroeconomics or
   Suggested ECO 2023 Principles of Microeconomics or
   Suggested POS 2041 American National Government
   E: Science Foundations (6 hrs)
   Prefer BSC 1005 Biological Principles
   Select one physical science

2. Common Program Prerequisites (CPP) (0 hrs)
- None
3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (56 hrs)

Statistics Requirement 3 hrs
- Students have two options for completing this requirement:
  
  **Option 1:**
  - STA 2023 Statistical Methods I or Statistical Methods II 3 hrs
  - STA 4163 Statistical Methods II 3 hrs

  **Option 2:**
  - STA 2014C Principles of Statistics 3 hrs
  - STA 4803 Research Methods in Communication Sciences and Disorders 3 hrs
  - STA 2023 Statistical Methods I 3 hrs

Core Requirements 53 hrs
- DEP 2004 Developmental Psychology 3 hrs
- LIN 3713 Language Science 3 hrs
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- SPA 3011 Speech Science I: Production 3 hrs
- SPA 3011L Speech Production Lab 1 hr
- SPA 3101 Physiological Bases of Speech and Hearing 3 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- SPA 3112L Basic Phonetics Lab 1 hr
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 3471 Communication Disorders in Literature and Media 3 hrs
- SPA 4032 Audiology 3 hrs
- SPA 4321 Audiolingual Rehabilitation 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs
- SPA 4870C Capstone Course 3 hrs

**Select 1:** 3 hrs
- EAB 3503 Principles of Behavior Modification or Learning Environments and Guidance for Young Children 4 hrs
- EDF 3303 Classroom Management and Guidance of Young Children 3 hrs
- EEX 4601 Introduction to Behavior Management or Guidance of Young Children with Communication Disorders 3 hrs
- SPA 3472 Speech Perception Lab 3 hrs

5. Restricted Electives (9 hrs)
- An additional nine credit hours of upper division course work in Communication Sciences and Disorders selected in consultation with an academic advisor.

B.A./B.S. Option:
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college.
- Students pursuing the B.S. degree must complete two upper division health sciences courses (six credit hours) approved by the department.

6. Capstone Requirements
- SPA 4870C Capstone Course 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can also be used to fulfill this requirement.

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must achieve a minimum grade of “C-“ (1.75) in all required courses, restricted electives, and B.A./B.S. electives in the department.
- Students must also earn an overall minimum of 2.0 GPA in the courses used to satisfy the major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS, and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors in Major**
- Interested students should consult with a faculty advisor.

**Related Programs**
- Early Childhood Education
- Exceptional Student Education
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work

**Certificates**
- None

**Related Minors**
- Aging Studies
- Early Childhood Education
- Exceptional Education
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology

**Advising Notes**
- Certification in speech-language pathology by the American Speech-Language-Hearing Association and licensure by the State of Florida Department of Health, Division of Medical Quality Assurance requires a master’s degree in Communication Sciences and Disorders.

**Transfer Notes**
- “D” (1.0) grades are not accepted
- Courses taken at community colleges do not substitute for upper division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

**Freshman Year - Fall**
- 15 hrs
- Free Elective 3 hrs
- BSC 1005L Biological Principles Laboratory 1 hr
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
UCF Degree Programs

Junior Year - Spring
- LIN 3716 Language Development 3 hrs
- LIN 3716L Language Development Lab 2 hrs
- SPA 3104 Neural Bases of Communication 3 hrs
- SPA 3123 Speech Science II: Perception 3 hrs
- SPA 3123L Speech Perception Lab 1 hr
- SPA 4476 Speech Disorders Across the Lifespan 3 hrs

Junior Year - Summer
- Foreign Language II (B.A.) or Health Sciences Elective (B.S.) 3 hrs

Senior Year - Fall
- SPA 4032 Audiology 3 hrs
- SPA 4400 Language Disorders Across the Life Span 3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences 3 hrs

Select 1:
- SPA 4903 Research Methods in Communication 3 hrs
- STA 4163 Statistical Methods II 3 hrs

Senior Year - Spring
- 1 Restricted Elective 3 hrs
- Free Elective 3 hrs
- SPA 4321 Audiology Rehabilitation 3 hrs
- SPA 4501L Undergraduate Clinical Practicum 3 hrs
- SPA 4870C Capstone Course 3 hrs

1 Consult department for list of restricted electives.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

Computer Engineering (B.S.P.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

Select 1:
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)
Select two courses from Cultural Foundations
Select one course from Cultural Foundations

C: Mathematical Foundations (7 hrs)
Required
MAC 2311 Calculus with Analytic Geometry I 4 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
Select 1:
Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
Prefer ECO 2023 Principles of Microeconomics 3 hrs
Select one course from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
Required
PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required for those course indicated.
See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ENC 1101 Composition I GEP
ENC 1102 Composition II GEP
1 MAC 2311 Calculus with Analytic Geometry I GEP
1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
1 MAP 2302 Differential Equations 3 hrs
1 PHY 2048C Physics for Engineers & Scientists I GEP
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs
Select 1:
CHM 2045C Chemistry Fundamentals I or 4 hrs
2 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

3. Core Requirements: Basic Level (2 hrs)
The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the courses required for the major in section 4 below, technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

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

4. Core Requirements: Advanced Level (54 hrs)

Engineering Core
EGN 3310 Engineering Analysis-Statics 6 hrs
STA 3032 Probability and Statistics for Engineers GEP
Select 1:
EGN 3321 Engineering Analysis-Dynamics or 3 hrs
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major
COP 3380 Object Oriented Programming 48 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COP 4331C Processes for Object-Oriented Software Development 4 hrs
COP 4600 Operating Systems 3 hrs
COT 3100C Introduction to Discrete Structures 3 hrs
EEE 3307C Electronics I 4 hrs
EEE 3342C Digital Systems 3 hrs
EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 4 hrs
EEL 3801C Computer Organization 3 hrs
EEL 4742C Embedded Systems 4 hrs
EEL 4768C Computer Architecture 4 hrs
EEL 4781 Computer Communication Networks 3 hrs

5. Restricted Electives (9 hrs)
Technical electives are available in the BSCpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
EEL 4914 Senior Design I 3 hrs
EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None

8. Electives
None

9. Additional Requirements
Computer engineering students must earn at least 32 hours in residence at UCF.

10. Required Minors
None

11. Departmental Exit Requirements
CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
45 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
128

Honors In Major
None

Related Programs
Computer Science
Electrical Engineering
Information Technology
Mathematics - Engineering/Physics Track
Physics

Certificates
None

Related Minors
Computer Science
Engineering Leadership
Information Technology
Intelligent Robotic Systems (IRS) - Interdisciplinary
Mathematics
Physics
UCF Degree Programs

Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated Program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

Freshman Year - Fall
- EGN 1006C: Introduction to the Engineering Profession 1 hr
- MAC 2311: Calculus with Analytic Geometry I 4 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- GEP: Historical Foundation 3 hrs
- GEP: Science Foundation 3 hrs

Freshman Year - Spring
- COP 3223: Introduction to Programming with C 3 hrs
- EGN 1007C: Engineering Concepts and Methods 1 hr
- ENC 1102: Composition II 3 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall
- COT 3100C: Introduction to Discrete Structures 3 hrs
- EGN 3310: Engineering Analysis-Statistics 3 hrs
- MAC 2313: Calculus with Analytic Geometry II 4 hrs
- PHY 2049C: Physics for Engineers & Scientists II 4 hrs
- GEP: Historical Foundation 3 hrs

Sophomore Year - Spring
- EEE 3307C: Electronics I 4 hrs
- ENC 1101: Composition I 3 hrs
- ENC 1102: Composition II 3 hrs
- ENC 2100: Composition V 3 hrs
- EEL 3801: Electrical Networks 3 hrs
- MAP 2302: Differential Equations 3 hrs

Select 1:
- CHM 1440: Fundamentals of Chemistry for Engineers 4 hrs

Sophomore Year - Summer
- EEL 3901C: Computer Organization 3 hrs
- GEP: Cultural Foundation 3 hrs

Junior Year - Fall
- COP 3330: Object Oriented Programming 3 hrs
- COP 3502C: Computer Science I 3 hrs
- EEE 3307C: Electronics I 4 hrs
- STA 3032: Probability and Statistics for Engineers 3 hrs

Select 1:
- EGN 3321: Engineering Analysis-Dynamics or 3 hrs
- EGN 3358: Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- COP 3503C: Computer Science II 4 hrs
- COP 4331C: Processes for Object-Oriented Software Development 4 hrs
- EEL 4742C: Embedded Systems 4 hrs
- GEP: Social Foundation 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- EEL 4768C: Computer Architecture 4 hrs
- EEL 4914: Senior Design I 3 hrs

Select 1:
- ECO 2013: Principles of Macroeconomics or 3 hrs
- ECO 2023: Principles of Microeconomics 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- COP 4600: Operating Systems 3 hrs
- EEL 4781: Computer Communication Networks 3 hrs
- EEL 4915L: Senior Design II 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Computer Science (B.S.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Tests will be administered each semester. Refer to the computer science website for more information about the foundation exam.

Degree Requirements
- Students are required to consult with a departmental advisor and file a plan of study after passing the foundation exam
- Students must meet a Residency Requirement of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from Computer Science at UCF
- 18 of the 24 Residency hours must be at the 4000-5000 level
- Students must earn at least a 2.0 in each course 2-5

1. UCF General Education Program (GEP) (39 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101: Composition I 3 hrs
- Required ENC 1102: Composition II 3 hrs

Select 1: 3 hrs
- Prefer SPC 1603: Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 2311: Calculus with Analytic Geometry I 4 hrs
- Required STA 2023: Statistical Methods I 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311: Calculus with Analytic Geometry I 4 hrs
- Required STA 2023: Statistical Methods I 3 hrs
2. Common Program Prerequisites (CPP)  
- 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 3212</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Select 2:  
- 4 hours for this requirement assumes that BSC 2010C is taken since the hours for this course are also in the GEP.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I or</td>
<td>GEP</td>
</tr>
<tr>
<td>BSC 2011C</td>
<td>Biology II or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101</td>
<td>Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

3. Core Requirements: Basic Level  
- A “C” (2.0) or better is required in all courses in this area.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 4768C</td>
<td>Computer Architecture</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 4331</td>
<td>Processes for Object-Oriented Software</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4020</td>
<td>Programming Languages I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4330C</td>
<td>Object Oriented Programming</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3402</td>
<td>Systems Software</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>4 hrs</td>
</tr>
<tr>
<td>COT 3100C</td>
<td>Introduction to Discrete Structures</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 3600</td>
<td>CS Foundation Exam</td>
<td>0 hrs</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level  
- A “C” (2.0) or better is required in all courses in this area.  
- Students must maintain at least a 2.5 GPA in the following courses. Only the highest grade is used in the calculation.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 4020</td>
<td>Programming Languages I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>Processes for Object-Oriented Software</td>
<td>4 hrs</td>
</tr>
<tr>
<td>COP 4600</td>
<td>Operating Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4210</td>
<td>Discrete Structures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4810</td>
<td>Topics in Computer Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4768C</td>
<td>Computer Architecture</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives  
- A “C” (2.0) or better is required in all courses in this area.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3202</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAS 3106</td>
<td>Linear Algebra</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements  
- None

7. Foreign Language Requirements  
- None

Admissions  
- Two years high school, or one year college level Foreign Language (or equivalent proficiency exam) prior to graduation.

Graduation  
- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives  
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements  
- None

10. Required Minors  
- None

11. Departmental Exit Requirements  
- Complete an exit survey  
- Computer Competency met by completion of major

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Total Semester Hours Required  
- 120

Honors in Major  
- None

Related Programs  
- Computer Engineering  
- Information Technology

Certificates  
- None

Related Minors  
- Information Technology  
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Interdisciplinary Informatics Technology

Advising Notes  
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.

Transfer Notes  
- Courses taken at community colleges do not substitute for Upper Division courses  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses  
- None

Plan of Study  

**Freshman Year - Fall**  
- COP 3223 | Introduction to Programming with C | 3 hrs  
- COT 3100C | Introduction to Discrete Structures | 3 hrs  
- ENC 1101 | Composition I | 3 hrs  
- SPC 1603 | Fundamentals of Technical Presentations | 3 hrs

**Freshman Year - Spring**  
- CDA 3103 | Computer Logic and Organization | 3 hrs  
- COP 3502C | Computer Science I | 3 hrs  
- COP 3960 | CS Foundation Exam | 0 hrs  
- ENC 1102 | Composition II | 3 hrs  
- MAC 2311 | Calculus with Analytic Geometry I | 4 hrs
UCF Degree Programs

Freshman Year - Summer 7 hrs
COP 3330 Object Oriented Programming 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs

Sophomore Year - Fall 14 hrs
GEP 3 hrs
COP 3402 Systems Software 3 hrs
COP 3503C Computer Science II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
CIS 3360 Security in Computing 3 hrs
COP 4331C Processes for Object-Oriented Software Development 4 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Sophomore Year - Summer 6 hrs
GEP 3 hrs
STA 2023 Statistical Methods I 3 hrs

Junior Year - Fall 14 hrs
GEP 3 hrs
BSC 2010C Biology I 4 hrs
COP 4020 Programming Languages I 3 hrs
EEL 4768C Computer Architecture 4 hrs

Junior Year - Spring 13 hrs
1 Restricted Elective 3 hrs
2 Restricted Elective 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
COP 4600 Operating Systems 3 hrs

Senior Year - Fall 12 hrs
1 Restricted Elective 3 hrs
Free Elective 3 hrs
COT 4210 Discrete Structures II 3 hrs

Senior Year - Spring 12 hrs
1 Restricted Elective 3 hrs
GEP 3 hrs
2 Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

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

Admission Requirements
- None

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3023 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
Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048C Physics for Engineers & Scientists I 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following courses of 3 hrs:
CHM 2040C Chemistry Fundamentals IA and 3 hrs
CHM 2041C Chemistry Fundamentals IB 3 hrs

or
CHM 2045C Chemistry Fundamentals I 4 hrs

or
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

3. Core Requirements: Basic Level (5 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048C Physics for Engineers & Scientists I 3 hrs
PHY 2049C Physics for Engineers and Scientists II 3 hrs

Select one of the following courses of 3 hrs:
CHM 2040C Chemistry Fundamentals IA and 3 hrs
CHM 2041C Chemistry Fundamentals IB 3 hrs

or
CHM 2045C Chemistry Fundamentals I 4 hrs

or
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

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

Construction Engineering (B.S.Con.E.)

College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu

Admission Requirements
- None

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select two courses from Historical Foundations 6 hrs
Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3023 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
Required PHY 2049C Physics for Engineers and Scientists II 4 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048C Physics for Engineers & Scientists I 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following courses of 3 hrs:
CHM 2040C Chemistry Fundamentals IA and 3 hrs
CHM 2041C Chemistry Fundamentals IB 3 hrs

or
CHM 2045C Chemistry Fundamentals I 4 hrs

or
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

3. Core Requirements: Basic Level (5 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048C Physics for Engineers & Scientists I 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select one of the following courses of 3 hrs:
CHM 2040C Chemistry Fundamentals IA and 3 hrs
CHM 2041C Chemistry Fundamentals IB 3 hrs

or
CHM 2045C Chemistry Fundamentals I 4 hrs

or
CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
### 4. Core Requirements: Advanced Level (57 hrs)

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<th>Course</th>
<th>Credits</th>
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<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
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<tr>
<td>CCE 4003 Introduction to the Construction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4004 Construction Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4034 Construction Estimating and Scheduling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4402 Construction Equipment and Productivity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4813 Mechanical and Electrical Systems for Buildings</td>
<td>4 hrs</td>
</tr>
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</table>

#### 5. Restricted Electives (3 hrs)

- Engineering Science electives are available in the BSConE program to address specific student interests in a variety of technical areas. Students are encouraged to take one of the following as the technical elective. Other courses from the list of approved technical electives may be used with the approval of the department advisor. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

#### 6. Capstone Requirements (6 hrs)

- **Required Senior Design Courses**
  - Take all of the following: 6 hrs
    - CCE 4810C Construction Design Project and Lab 3 hrs
    - CEG 4801C Geotechnical Engineering Design 3 hrs

#### 7. Foreign Language Requirements

**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- None

#### 8. Electives

- None

#### 9. Additional Requirements

- Construction engineering students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

#### 10. Required Minors

- None

#### 11. Departmental Exit Requirements

- None

#### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required

- 128

**Honors in Major**

- None

**Related Programs**

- Civil Engineering
- Environmental Engineering

**Certificates**

- None

**Related Minors**

- Business
- Engineering Leadership
- Mathematics

**Advising Notes**

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

**Transfer Notes**

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study (128 hrs)**

**Freshman Year - Fall**

- 14 hrs
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<td>3 hrs</td>
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<tr>
<td>EGN 1101 Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 1102 Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- 3 hrs
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

**Freshman Year - Spring**

- 15 hrs
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

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<td>3 hrs</td>
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<td>EGN 1102 Composition II</td>
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</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
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**Advising Notes**

- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Construction Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Master’s followed by the PhD.

**Transfer Notes**

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study (128 hrs)**

**Freshman Year - Fall**

- 14 hrs
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

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- 3 hrs
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

**Freshman Year - Spring**

- 15 hrs
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.

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</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
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</tr>
</tbody>
</table>
Sophomore Year - Fall 16 hrs
GEP 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3613 Engineering Economic Analysis 2 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs

Sophomore Year - Spring 16 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
EGN 3310 Mechanics of Materials 3 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs
SPC 1603 Fundamentals of Technical Presentations 3 hrs

Sophomore Year - Summer 9 hrs
GEP 3 hrs
ENV 3001 Introduction to Environmental Engineering 3 hrs
STA 3052 Probability and Statistics for Engineers 3 hrs

Junior Year - Fall 16 hrs
GEP 3 hrs
CES 4003 Introduction to the Construction Industry 3 hrs
CES 4400C Structural Analysis I and Lab 4 hrs
CGN 3501C Civil Engineering Materials 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
CCE 4004 Construction Methods 3 hrs
CWR 3201 Engineering Fluid Mechanics 3 hrs
SUR 2101C Surveying 3 hrs
Select 1: 3 hrs
CWR 4101C Hydrology or 3 hrs
CWR 4203C Hydraulics or 3 hrs
EGN 3343 Thermodynamics or 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

Concrete or Steel 3 hrs
CES 4605 Steel Structures or 3 hrs
CES 4702 Reinforced Concrete Structures 3 hrs

Senior Year - Fall 15 hrs
CCE 4034 Construction Estimating and Scheduling 3 hrs
CCE 4813 Mechanical and Electrical Systems for Buildings 4 hrs
CEG 4011C Geotechnical Engineering I 4 hrs
TTE 4004 Transportation Engineering 4 hrs

Senior Year - Spring 12 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
CCE 4402 Construction Equipment and Productivity 3 hrs
CCE 4810C Construction Design Project 3 hrs
CEG 4801C Geotechnical Engineering Design 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Criminal Justice (B.A. / B.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crjm.jus/
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep
Phone: 407-823-2603

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours.
- Students must earn a minimum 2.0 overall GPA in the core requirements and the restricted electives.
- Students must earn a grade of C- (1.75) or better in each core course

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

Select 1: 3 hrs
Suggested CGS 1060C Introduction to Computer Science or 3 hrs
Suggested STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
Suggested STA 2014C Principles of Statistics 3 hrs

Select 1: 3 hrs
Suggested MGF 1106 Finite Mathematics or 3 hrs
Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
CCJ 3014 Crime in America 3 hrs
CCJ 3024 Criminal Justice System 3 hrs
CCJ 4701 Research Methods in Criminal Justice 3 hrs
CJC 3010 Corrections and Penology 3 hrs
CJE 4014 Police and Society 3 hrs
CJL 3510 Prosecution and Adjudication 3 hrs

5. Restricted Electives (42 hrs)
- 27 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
■ 15 additional semester hours of supporting courses to be selected from an approved list provided by the department. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology. The supporting course requirements may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level. The foreign language credits may be used toward the 15 hour supporting course requirement.

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Students must take a minimum of 36 hours of upper-division CJ credit from the UCF Criminal Justice department to obtain the UCF degree in Criminal Justice.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ Interested students should consult with a faculty advisor.

Related Programs
■ Legal Studies

Certificates
■ None

Related Minors
■ Legal Studies
■ Psychology
■ Public Administration

Advising Notes
■ None

Transfer Notes
■ “D” (1.0) grades are not accepted.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
PAF 2102 Public Affairs Careers 3 hrs
Select 1: 3 hrs
MAC 1105 College Algebra or
MGR 1106 Finite Mathematics 3 hrs
Select 1: 3 hrs
ANT 2000 General Anthropology or
PSY 2012 General Psychology or
SYG 2000 Introduction to Sociology 3 hrs
Select 1: 3 hrs
AMH 2010 U.S. History: 1492-1877 or
EUF 2000 Western Civilization I or
HUM 2210 Humanistic Tradition I 3 hrs

Freshman Year - Spring
CGS 1060C Introduction to Computer Science 3 hrs
ENC 1102 Composition II 3 hrs
Select 1: 3 hrs
CHM 1020 Concepts in Chemistry or
PSC 1121 Physical Science 3 hrs
Select 1: 3 hrs
MUL 2010 Enjoyment of Music or
PHI 2010 Introduction to Philosophy 3 hrs
Select 1: 3 hrs
ARH 2050 History of Western Art I or
LIT 2110 World Literature I or
LIT 2120 World Literature II or
PHI 2010 Introduction to Philosophy or
REL 2300 World Religions or
THE 2000 Theatre Survey 3 hrs

Sophomore Year - Fall
Free Elective 3 hrs
SFC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
AMH 2020 U.S. History: 1877-Present or
EUF 2001 Western Civilization II or
HUM 2230 Humanistic Tradition II 3 hrs
Select 1: 3 hrs
ANT 2511 The Human Species or
BSC 1005 Biological Principles or
GLY 1030 Geology and its Applications or
MCB 1310 Introduction to Biotechnology and Genetic Engineering or
PSC 1121 Physical Science 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or
POS 2041 American National Government 3 hrs

Sophomore Year - Spring
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CCJ 3014 Crime in America 3 hrs
CCJ 3024 Criminal Justice System 3 hrs

Junior Year - Fall
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CJC 3010 Corrections and Penology 3 hrs
CJL 3510 Prosecution and Adjudication 3 hrs
CJ Elective 3 hrs

Junior Year - Spring
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Supporting Elective 3 hrs
CJC 4701 Research Methods in Criminal Justice 3 hrs
CJE 4014 Police and Society 3 hrs

UCF Degree Programs
Digital Media (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, 12461 Research Parkway, 500 OTC
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Phone: 407-823-6100

The B.A. in Digital Media allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Two specializations -game design and web design - lead to a Bachelor of Arts degree. Note: Although the School of Visual Arts and Design maintains a computer lab for student use, majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements
• None

Degree Requirements
• UCF students who change degree programs and select this major must adopt the most current catalog.
• Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
• Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design at UCF.
• Co-op or internship credits are not permitted in this major without prior, written permission.
• Students should see the School’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Take all of the following: 6 hrs
   Required ARH 2050 History of Western Art I and 3 hrs
   Required ARH 2051 History of Western Art II 3 hrs
   Select one additional course from approved list 3 hrs

2. Criminal Justice- A.S. to B.S. (B.S.M.S.)
   NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

3. Digital Media Core: Basic (9 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

4. Core Requirements: Advanced Level (12 hrs)
   DIG 3024 Digital Cultures & Narrative 3 hrs
   DIG 3480C Computer as a Medium 3 hrs
   DIG 3525 Digital Media Production I 3 hrs
   DIG 4780C Modeling for Realtime Systems 3 hrs

Game Design (42 hrs)
• Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a “B” (3.0) in DIG 2000.

Web Design (42 hrs)
• Admission to all courses after DIG 4713 is dependent on the student’s achieving at least a “B” (3.0) in DIG 4713

Game Design: Basic Concentration (24 hrs)
   COP 3223 Introduction to Programming with C and 3 hrs
   COP 3330 Object Oriented Programming and 3 hrs
   DIG 4630C Media Business Practices and 3 hrs
   DIG 4713 Game Design and 3 hrs
   DIG 4715C Game Production and 3 hrs
   DIG 4720C Casual Game Production and 3 hrs
   FIL 3720C Introduction to Animation and 3 hrs
   GRA 2151C Illustration 3 hrs

Game Design: Restricted Electives (18 hrs)
• Complete 18 hours of credits from the following areas:
   DIG 4725C must be taken at least two times. It is repeatable for credit.
   12 Additional hrs of 3000 or 4000 level courses from ART, 12 hrs
   ARH, GRA, DIG or any 3000 or 4000 level courses approved by the school.
   DIG 4725C Game Design Workshop 6 hrs

Web Design: Basic Concentration (24 hrs)
   DIG 3134 Media Software Design and 3 hrs
   DIG 3563 Information Management and Entrepreneurship and 3 hrs
   DIG 3716C Internet Interaction and 3 hrs
   DIG 3811 User-Centered Design and 3 hrs
   DIG 4503 Rapid Application Web Development and 3 hrs
   DIG 4530C Media for e-Commerce and 3 hrs
   DIG 4630C Media Business Practices and 3 hrs
   GRA 3803C Intermediate Computer Graphic Design 3 hrs

Web Design: Restricted Electives (18 hrs)
• Complete 18 hours of credits from the following areas:
   Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
   12 Additional hrs of 3000 or 4000 level courses from ART, 12 hrs
   ARH, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school.
   DIG 4104C Web Design Workshop 6 hrs
UCF Degree Programs

Digital Media - Visual Language Track (B.A.)

College of Arts and Humanities
School of Visual Arts and Design
http://www.dm.ucf.edu
Dr. Jose Maunez-Cuadra, 407-823-6100

The UCF School of Visual Art and Design allows students to integrate the multiple domains of art, storytelling, and technology. It is designed to provide a solid foundation in techniques and theory in one focused area of competence, provide a broad understanding of related disciplines including arts, humanities, and technology, and provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design with the College of Arts and Humanities. It recognizes that there are many combinations of courses which meet the needs of individual students. Note: Although the School maintains a computer lab for student use, Digital Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the minimum hardware and software specifications.

Admission Requirements

- None

Degree Requirements

- UCF students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.
- Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design.
- Co-op or internship credits are not permitted in this major without prior, written permission.
- Students should see the School’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Take all of the following:

- Required ARH 2050 History of Western Art I and 3 hrs
- Required ARH 2051 History of Western Art II 3 hrs

Select one additional course from approved list 3 hrs

C: Mathematical Foundations (7 hrs)

Required COP 2500C Concepts in Computer Science 4 hrs

1 Required MAC 1105 College Algebra 3 hrs

(May substitute more advanced version)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)
UCF Degree Programs

2. Common Program Prerequisites (CPP) (9 hrs)
- ARH 2050 History of Western Art I GEP
- ARH 2051 History of Western Art II 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- COP 2500C Concepts in Computer Science GEP
- MAC 1105 College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
   - Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a ‘B’ (3.0) in DIG 2000.
   - DIG 2000 Introduction to Digital Media 3 hrs
   - DIG 2030C Digital Video Fundamentals 3 hrs
   - DIG 2109C Digital Imaging Fundamentals 3 hrs
   - DIG 2500C Fundamentals of Interactive Design 3 hrs

4. Core Requirements: Advanced Level (51 hrs)
   - DIG 3024 Digital Cultures & Narrative 3 hrs
   - DIG 3490C Computer as a Medium 3 hrs
   - DIG 3525 Digital Media Production I 3 hrs
   - DIG 4780C Modeling for Realtime Systems 3 hrs

Visual Language Core 15 hrs
- ART 3643C Digital Effects & Compositing 3 hrs
- DIG 3951 Visual Language Portfolio Review 0 hrs
- DIG 4325C Look Modeling Workshop 3 hrs
- DIG 4326C Geometrical Modeling Workshop 3 hrs
- FIL 3720C Introduction to Animation 3 hrs
- FIL 3734C Intermediate Animation 3 hrs

Visual Language - Basic Concentration 24 hrs
- DIG 3355C Artificial Environments and Effects 3 hrs
- DIG 3433C Visual Storytelling and Visual Development 3 hrs
- DIG 4206C New Imagery in Motion Workshop 3 hrs
- DIG 4394C Motion Graphics: Advanced Compositing 3 hrs
- DIG 4434C Narrative Techniques in the Moving Image Workshop 3 hrs
- DIG 4451C Visual Storytelling and Visual Development 3 hrs
- DIG 4486C Visual Language of Moving Image II 3 hrs

5. Restricted Electives (7 hrs)
Character Animation- Restricted Electives
   - Complete 7 hours from the following areas:
     - Illustrative Arts Sequence
     - Musical Theater Sequence
     - Art, ARH, GRA, DIG or any 3000 or 4000 level courses approved by Digital Media and Applied Arts

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - None

Admissions
   - Met by graduation requirement.
Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by Digital Media.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Computer Science
- English - Creative Writing
- English - Literature
- English - Technical Communication
- Film - Cinema Studies Track
- Music

Certificates
- None

Related Minors
- Art - Studio
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Information Technology
- Music

Advising Notes
- None

Transfer Notes
- Grades less than “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Early Childhood Development and Education Track
1: Education: Pre-Kindergarten - Primary (PK-3)
(B.S.)

College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK
Early Childhood Development and Education majors take a
variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test and CLAS requirement (no alternatives or waivers are accepted).
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

**Degree Requirements**
- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.
- Passing score on ALL three sections of the Florida Teacher Certification Examination (FTCE). See http://www.fldoe.org for available test dates and test sites.
- FTCE General Knowledge Test (GKT)-(if CLAS was used for admission) passing scores on the GKT is strongly recommended during semester 1 of the junior year and required at the time of application to EEC 4235C Seminar Course. FTCE Professional Education Test (Ped) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- FTCE General Knowledge Test (GKT) - (if CLAS was used for admission) passing scores on the GKT is strongly recommended prior to semester 1 of the junior year and required for admission into the Early Childhood Development and Education, Track 1-Education: Pre-Kindergarten-Primary (Pre-K-3rd).
- FTCE Professional Education Test (Ped) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)** (36 hrs)
   - Students are advised to take the preferred courses.

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - General Education Program elective from section B2: 3 hrs
     - Prefer LIT 2110 World Literature I or 3 hrs
     - Prefer LIT 2120 World Literature II or 3 hrs
     - Prefer Phil 2010 Introduction to Philosophy or 3 hrs
     - Prefer REL 2300 World Religions 3 hrs
   - General Education Program elective from section B1 3 hrs
   - General Education Program elective: Prefer a second course from GEP section B1 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Select 1: 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
     - Prefer STA 2014C Principles of Statistics 3 hrs
   - Select 1: 3 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs

   **D: Social Foundations** (6 hrs)
   - Prefer POS 2041 American National Government 3 hrs
   - Prefer PSY 2012 General Psychology 3 hrs

   **E: Science Foundations** (6 hrs)
   - Prefer PSC 1121 Physical Science 3 hrs
   - Select 1: 3 hrs
     - Prefer ANT 2511 The Human Species or 3 hrs
     - Prefer BSC 1005 Biological Principles 3 hrs

   **2. Common Program Prerequisites (CPP)** (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     - EDF 2005 Introduction to the Teaching Profession 3 hrs
     - EDF 2085 Introduction to Diversity for Educators 3 hrs
     - EME 2040 Introduction to Technology for Educators 3 hrs
   - In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. **Core Requirements: Basic Level** (15 hrs)

   **Other Program Prerequisites**
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
   - EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs

   **Select 1:**
   - MAC 1105 College Algebra or 3 hrs
   - MAE 2801 Elementary School Mathematics 4 hrs

   **Select 1:**
   - ARE 2000 Early Childhood Art and Creativity or 3 hrs
   - MUE 2211 Early Childhood Music and Movement 3 hrs

1. 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.

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  
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required prior to application to EEC 3930C Seminar Course.  
  EEC 3700 Social and Emotional Development of Young Children  3 hrs  
  EEC 4661 Early Childhood Education Theory and Practice  3 hrs  
  EXE 4751 Parent Involvement in Education  3 hrs  
  RED 3310 Early Reading, Writing and Language Arts  3 hrs  
  TSL 4080 Theory and Practice of Teaching ESOL Students in Schools  3 hrs  

Semester II  
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended to be taken during Semester III.  
  EEC 4207 Assessment and Evaluation of Young Children  3 hrs  
  EEC 4268 Curriculum Activities in Early Childhood  3 hrs  
  EEC 4604 Classroom Management and Guidance of Young Children  3 hrs  
  EEX 3450 Young Children With Special Needs  3 hrs  
  TSL 4240 Issues in Second Language Acquisition  3 hrs  

Summer  
- Passing score on the Subject Area Examination (Pre-kindergarten/Primary PK-3) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship.  
  EEC 4303 Planning Creative Activities in Early Childhood Education  3 hrs  
  RED 3012 Basic Foundations of Reading  3 hrs  

Semester III  
- 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.ucf.edu.  
  EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice  3 hrs  
  MAE 4300 Math Curriculum and Assessment in Early Childhood  3 hrs  
  RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment  3 hrs  
  SCE 4304 Teaching Science and Technology to Young Children  3 hrs  

Semester IV  
- Satisfactory completion of Internship requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.  
  EEC 4943 Student Teaching  12 hrs  

5. Restricted Electives  (0 hrs)  
- None  

6. Capstone Requirements  
- None  

7. Foreign Language Requirements  

Admissions  
- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)  

Graduation  
- None  

8. Electives  
- None  

9. Additional Requirements  
- None  

10. Required Minors  
- None  

11. Departmental Exit Requirements  
- Achieve a minimum overall 2.75 GPA in all courses within the major.  
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.  
- Complete a TESOL notebook as required for ESOL Endorsement.  
- Pass all applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for test dates and test sites.  

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable) 

Total Semester Hours Required  
- 120  

Honors In Major  
- None  

Related Programs  
- None  

Certificates  
- None  

Related Minors  
- None  

Advising Notes  
- None  

Transfer Notes  
- None  

Acceptable Substitutes for Transfer Courses  
- None  

Plan of Study  
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.  

Freshman Year - Fall  
- EDF 2005 Introduction to the Teaching Profession  3 hrs  
- ENC 1101 Composition I  3 hrs  
- MGF 1106 Finite Mathematics  3 hrs  
- PSY 2012 General Psychology  3 hrs  

Freshman Year - Spring  
- EDF 2085 Introduction to Diversity for Educators  3 hrs  
- ENC 1102 Composition II  3 hrs  
- MAC 1105 College Algebra  3 hrs  
- PSC 1121 Physical Science  3 hrs  

Select 1:  3 hrs  
- LIT 2110 World Literature I or  3 hrs  
- LIT 2120 World Literature II or  3 hrs  
- PHI 2010 Introduction to Philosophy or  3 hrs  
- REL 2300 World Religions  3 hrs  

UNIVERSITY OF CENTRAL FLORIDA
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

EME 2040 Introduction to Technology for Educators 3 hrs
SCE 1808 Fundamentals of Oral Communication 3 hrs

Select 1: 3 hrs

ANT 2511 The Human Species or 3 hrs
BSC 1005 Biological Principles 3 hrs

Select 1: 3 hrs

STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
STA 2014C Principles of Statistics 3 hrs

GEP B1 Elective (Prefer AMH 2010) 3 hrs

Sophomore Year - Spring 12 hrs

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
EEC 4731 Health, Safety, and Nutrition for Young Children 3 hrs
GEP B3 Elective (Prefer AMH 2020) 3 hrs

1 Courses taken at community colleges may substitute for select courses with the permission of the department.

Sophomore Year - Summer

• Satisfaction of the CLASP requirement and/or GKT is required for admission to the program and must be completed prior to the Junior Year. Refer to http://www.fldoe.org for test dates and sites.

Junior Year - Fall 15 hrs

• Highly recommend to take and pass PEd Test and PK-3 subject area exam of the FTCE - Refer to http://www.fldoe.org for test dates and sites.

EEC 3700 Social and Emotional Development of Young Children 3 hrs
EEC 4661 Early Childhood Education Theory and Practice 3 hrs
EEC 4751 Young Children With Special Needs 3 hrs
RED 3310 Early Reading, Writing and Language Arts 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring 15 hrs

EEC 4204 Classroom Management and Guidance of Young Children 3 hrs
EEC 4350 Young Children: A Developmental Perspective 3 hrs
TSL 4240 Issues in Second Language Acquisition 3 hrs

Junior Year - Summer 6 hrs

• Please note: It is strongly recommended to take the Professional Education Test (PdT) portion of the FTCE prior to entering the Senior year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship).

EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
RED 3012 Basic Foundations of Reading 3 hrs

Senior Year - Fall 12 hrs

EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice 3 hrs
MAE 3300 Math Curriculum and Assessment in Early Childhood 3 hrs
RED 3311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
SCE 4304 Teaching Science and Technology to Young Children 3 hrs

Senior Year - Spring 12 hrs

EEC 4943 Student Teaching 12 hrs

Program Academic Learning Compacts

• Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Early Childhood Development and Education Track

2: Early Childhood Development (B.S.)

College of Education

Department of Child, Family and Community Sciences, Education Complex, Room: 209

http://education.ucf.edu/ece/

E-mail: ece@mail.ucf.edu

Dr. Judy Levin, 122L, jlevin@mail.ucf.edu

Phone: 407-823-4615

EARLY CHILDHOOD DEVELOPMENT TRACK Early Childhood Development majors take a variety of courses related to young children and their learning, development, and family environment. Students take a series of core and specialization courses to prepare them to work with children, parents, and families in a variety of settings. Students in this program will be trained in first aid and CPR and earn a CPR certification. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

Admission Requirements

• Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.

• Meet the CLASP requirement.

• Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).

• Complete Child Development prerequisite courses with a minimum letter grade of “C” (2.0) or better.

• Meet the Gordon Rule Requirement.

• Meet Foreign Language Admission Requirement.

Degree Requirements

• Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail (ece@mail.ucf.edu) prior to registering for classes.

• The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.

• Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

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

• Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
 Prefer SPC 1808 Fundamentals of Oral Communication 3 hrs
UCF Degree Programs

B: Cultural & Historical Foundations (9 hrs)

<table>
<thead>
<tr>
<th>General Education Program elective from section B2:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer LIT 2110 World Literature I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer LIT 2120 World Literature II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer PHIL 2010 Introduction to Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer REL 2000 World Religions</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

General Education Program elective from section B1 to meet Gordon Rule Requirement.
General Education Program elective: Prefer a second course from GEP section B1.

C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics (3 hrs)

D: Social Foundations (6 hrs)

| Prefer POS 2041 American National Government | 3 hrs |
| Prefer PSY 2012 General Psychology            | 3 hrs |

E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer ANT 2511 The Human Species or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer BSC 1005 Biological Principles</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  DEP 2004 Developmental Psychology (3 hrs)
  EDF 2085 Introduction to Diversity for Educators (3 hrs)

3. Core Requirements: Basic Level (18 hrs)

| ARS 2000 Early Childhood Art and Creativity       | 3 hrs |
| MUE 2211 Early Childhood Music and Movement       | 3 hrs |
| SYG 2010 Social Problems                          | 3 hrs |

Select 1: EDF 2130 Child and Adolescent Development for Educators or SOW 3104 Assessing I: Human Development (3 hrs)

Select two electives: Meet with advisor for guidance in selecting electives (6 hrs)

4. Core Requirements: Advanced Level (60 hrs)

- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.

Semester I

<table>
<thead>
<tr>
<th>EEC 3700 Social and Emotional Development of Young Children</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4661 Early Childhood Education Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EXE 4751 Parent Involvement in Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 3716 Language Development</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Semester II

| EEC 4207 Assessment and Evaluation of Young Children       | 3 hrs |
| EEC 4604 Classroom Management and Guidance of Young Children | 3 hrs |
| EXE 3450 Young Children With Special Needs                  | 3 hrs |
| LAE 3414 Literature for Children                            | 3 hrs |
| PET 4050C Motor Development and Learning                    | 3 hrs |
| Summer                                                      | 6 hrs |
| EEC 4303 Planning Creative Activities in Early Childhood Education | 3 hrs |
| EEC 4731 Health, Safety, and Nutrition for Young Children   | 3 hrs |

Semester III Cultural and Family Systems (12 hrs)

| EEC 4402 Cultural and Family Systems                     | 3 hrs |
| EEC 4414 Parent-Child Relations                          | 3 hrs |
| EEC 4528 Infant/Toddler Care and Education               | 3 hrs |

Select one Early Childhood Development Track Elective

- Note: Students must consult with their advisor regarding approval for other elective options.
  EEC 4268 Curriculum Activities in Early Childhood or Organization and Management in Early Childhood or
  EXP 3604 Cognitive Psychology or
  POL 3041 Games Analysis or
  PET 3820 Teaching Sports Skills I or
  PET 4640 Adapted Physical Education or
  PET 4710 Methods for Physical Activity for Children and Adolescents or
  SOW 4650 Child Abuse: Treatment and Prevention or
  SOW 4654 Children's Services or
  SOW 4656 Theory and Practice of Teaching ESOL Students in Schools (3 hrs)

Semester IV

| EEC 4940 Practicum: Early Childhood Development          | 12 hrs |

5. Restricted Electives (0 hrs)

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120
## UCF Degree Programs

### Economics (B.A.)

#### College of Business Administration

**Department of Economics, Business Administration II, Room: 305**

[http://www.bus.ucf.edu/economics](http://www.bus.ucf.edu/economics)

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405

Nora Underwood, BA2 302N, 407-823-1403

David Scroggin, BA2 302U, 407-823-3266

The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education.

Several flexible tracks allow students to customize their education to their personal interests and career goals.

These tracks can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics.

Not eligible for a double degree with the BSBA in Economics.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.
UCF Degree Programs

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

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication (3 hrs)
- Select one of the following sequences of courses:
  - Suggested ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics (3 hrs)

B: Cultural & Historical Foundations (9 hrs)
- Select one of the following sequences of courses:
  - Suggested ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology (3 hrs)

C: Mathematical Foundations (6 hrs)
- Required MAC 1140 Pre-Calculus Algebra (3 hrs)
- Required STA 2023 Statistical Methods I (3 hrs)

D: Social Foundations (6 hrs)
- Select 1 of the following sequences of courses:
  - Suggested ECO 2013 Principles of Macroeconomics (3 hrs)
  - Suggested ECO 2023 Principles of Microeconomics (3 hrs)

Select one of the following sequences of courses:
- Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401.
- MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I (3 hrs)
  - or ECO 4301 Quantitative Business Tools I (3 hrs)

Select one of the following sequences of courses:
- STA 4163 Statistical Methods II (3 hrs)
  - or STA 4321 Statistical Theory I (3 hrs)
  - or ECO 3411 Quantitative Business Tools II (4 hrs)

5. Restricted Electives (18 hrs)
- All B.A. Economics majors will be required to take six (6) electives by choosing one of the following tracks:
  - Pre-Law Track (18 hrs)
    - ECO 4903 History of Economic Thought and Policy (3 hrs)
    - ECO 4751 Law and Economics and Policy (3 hrs)
    - ECP 4403 Industrial Organization and Game Theory and Policy (3 hrs)
    - Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.
  - Political Economy Track (18 hrs)
    - ECO 4303 History of Economic Thought and Policy (3 hrs)
    - ECO 4504 Public Economics and Policy (3 hrs)
    - ECS 4013 Development Economics and Policy (3 hrs)
    - Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

Private Enterprise Track (18 hrs)
- ECO 3223 Money and Banking and Policy (3 hrs)
- ECP 3203 Labor Economics and Policy (3 hrs)
- ECP 4403 Industrial Organization and Game Theory and Policy (3 hrs)
- Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

International Track (18 hrs)
- ECO 3703 International Microeconomics and Policy (3 hrs)
- ECO 4713 International Macroeconomics and Policy (3 hrs)
- ECS 4013 Development Economics and Policy (3 hrs)
- Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

Economics of Governmental Regulation (18 hrs)
- ECO 4504 Public Economics and Policy (3 hrs)
- ECP 3203 Labor Economics and Policy (3 hrs)
- ECP 4303 Environmental and Natural Resource Economics and Policy (3 hrs)
- Select any other three 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major and this track’s restricted elective courses.

General Track (18 hrs)
- It is possible to have a double track; however, only the first designated track will show on the transcript.
- Select any six 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses.
- Two of these electives can be selected from a related discipline with advisor’s approval.

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
- ECO 3410 Mathematical Economics (3 hrs)
- ECO 3703 International Microeconomics (3 hrs)
- ECO 4412 Econometrics (3 hrs)
- ECO 4504 Public Economics (3 hrs)
- ECO 4403 Industrial Organization and Game Theory (3 hrs)

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.
11. Departmental Exit Requirements
- Students majoring in Economics must earn a grade of "C" (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
- Computer Competency met by Research Methods course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics - Accelerated Undergraduate-Graduate Program
- Economics, Business

Certificates
- None

Related Minors
- Computer Science
- Legal Studies
- Mathematics
- Political Science
- Psychology
- Sociology
- Statistics

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ECO 1101 3 hrs

Sophomore Year - Spring
- 1 ECO 2023 Principles of Microeconomics 3 hrs
- 1 ENC 1102 Composition II 3 hrs
- 1 STA 2023 Statistical Methods I 3 hrs
- 1 "C" (2.0) or better grade required in each class

Sophomore Year - Fall
- Foreign Language 3 hrs
- 1 ECO 2013 Principles of Macroeconomics 3 hrs
- 2 ECO 3401 Quantitative Business Tools I 3 hrs
- 1 "C" (2.0) or better grade required in each class

Junior Year - Fall
- ECO Elective 3 hrs
- 1 Elective / Minor 3 hrs
- Free Elective 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- 1 ECO 3411 Quantitative Business Tools II 4 hrs
- 1 18 hours (minimum) of minor required.

Senior Year - Fall
- ECO Elective 3 hrs
- ECO Elective 3 hrs
- 1 Elective / Minor 3 hrs
- Free Elective 3 hrs
- 1 18 hours (minimum) of minor required.

Senior Year - Spring
- 1 Elective / Minor 3 hrs
- Free Elective 3 yrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- ECO 4451 Research Methods in Economics 3 hrs
- 1 18 hours (minimum) of minor required.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Economics, Business (B.S.B.A.)
College of Business Administration
Department of Economics, Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogin, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
Phone: 407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Several flexible tracks allow students to customize their education to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.
UCF Degree Programs

Admission Requirements
- See Common Program Prerequisites
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

Degree Requirements
- Not eligible for a double degree with another College of Business Administration major or a BA in Economics

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

A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Suggested ECO 2013 Principles of Macroeconomics or Principles of Microeconomics 3 hrs
- Suggested ECO 2023 Principles of Macroeconomics or Principles of Microeconomics 3 hrs

Select 1:
- Suggested ANT 2000 General Anthropology or 3 hrs
- Suggested PSY 2012 General Psychology or 3 hrs
- Suggested SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (21 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students must receive a “C” (2.0) in MAC 2233 and STA 2023 to be waived from ECO 3401
- ECO 3401 Quantitative Business Tools I 3 hrs
- or
- 1 MAC 2233 Concepts of Calculus and 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- or any Calculus 1 & 2 sequence

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (32 hrs)
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

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

Required Major Courses 9 hrs
- ECO 3101 Intermediate Microeconomics 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 4451 Research Methods in Economics 3 hrs

5. Restricted Electives (15 hrs)
- All B.S.B.A. economics majors will be required to take five (5) electives by choosing one of the following tracks:

BUSINESS ECONOMICS TRACK 15 hrs
- ECO 3223 Money and Banking 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP (excluding ECO 4941) other than the required major and this track’s restricted elective courses

INTERNATIONAL TRACK 15 hrs
- ECO 3703 International Microeconomics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP (excluding ECO 4941) other than the required major and this track’s restricted elective courses

PRE-LAW TRACK 15 hrs
- ECO 4751 Law and Economics 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 4403 Industrial Organization and Game Theory 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP (excluding ECO 4941) other than the required major and this track’s restricted elective courses

FINANCIAL ECONOMICS TRACK 15 hrs
- For double majors in Finance, two of these electives can be selected from Finance with advisor’s approval.
- ECO 3203 Intermediate Macroeconomics 3 hrs
- ECO 4412 Econometrics 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP (excluding ECO 4941) other than the required major and this track’s restricted elective courses

ECONOMICS OF GOVERNMENTAL REGULATION 15 hrs
- ECO 4504 Public Economics 3 hrs
- ECP 3203 Labor Economics 3 hrs
- ECP 4303 Environmental and Natural Resource Economics 3 hrs
- Select any other two 3000-4000 level ECO, ECS, or ECP (excluding ECO 4941) other than the required major and this track’s restricted elective courses

GENERAL TRACK
- Select any five 3000 - 4000 level ECO, ECS or ECP (including ECO 4941) courses other than the required major courses.
- One of these electives can be selected from a related discipline with advisor’s approval.
- It is possible to have a double track; however, only the first designated track will appear on the transcript.
- For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - ECO 3703 International Microeconomics 3 hrs
  - ECO 4412 Econometrics 3 hrs
  - ECO 4504 Public Economics 3 hrs
  - ECO 4403 Industrial Organization and Game Theory 3 hrs

For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recomme
7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- Special College and/or Departmental Requirements
- Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during Exam Week.
- Students must have at least a 2.0 GPA in the COB and major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of “C” (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Economics
- Economics - Accelerated Undergraduate-Graduate Program

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study
- Business Economics

Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- MAC 1140  Pre-Calculus Algebra  3 hrs
- SPC 1608 Fundamentals of Oral Communication  3 hrs
- 1 “C” (2.0) or better grade required in each class
- 2 (or Calculus). “C” (2.0) or better grade required in each class

Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business  3 hrs
- ECO 2023 Principles of Microeconomics  3 hrs
- ENC 1102 Composition II  3 hrs
- 1 “C” (2.0) or better grade required in each class

Sophomore Year - Fall
- ECO 3401 Quantitative Business Tools I  3 hrs
- ECO 3203 Intermediate Microeconomics  3 hrs
- MAN 3023 Management of Organizations  3 hrs
- 1 “C” (2.0) or better grade required in each class
- 2 (if no Calculus & Statistics) “C” (2.0) or better grade required in each class

Sophomore Year - Spring
- ACG 2021 Principles of Managerial Accounting  3 hrs
- ECO 3101 Intermediate Microeconomics  3 hrs
- 1 “C” (2.0) or better grade required in each class

Junior Year - Fall
- ECO 3203 Intermediate Macroeconomics  3 hrs
- ECO 3411 Quantitative Business Tools II  4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business  3 hrs
- MAR 3023 Marketing  4 hrs
- 15 hrs

Junior Year - Spring
- GEB 3375 Introduction to International Business  4 hrs
- MAN 3025 Management of Organizations  4 hrs
- 15 hrs

Senior Year - Spring
- BUL 3130 Legal and Ethical Environment of Business  4 hrs
- ECO 4451 Research Methods in Economics  3 hrs
- MAN 4720 Strategic Management  4 hrs
- 14 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
UCF Degree Programs

Economics - Accelerated Undergraduate-Graduate Program (B.A. / M.S.)

NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Economics
See also Mathematics - Mathematical Economics Track

Electrical Engineering (B.S.E.E.)
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 246

http://www.eecs.ucf.edu
E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Ms. Charlese Hilton-Brown
Phone: 407-823-3327

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the hours. Students transferring to UCF from within the Florida State University System should complete the requirements of the UCF GEP and the allowable substitutions in the section, General Education Program, found elsewhere in this catalog.

   A: Communication Foundations (9 hrs)
   - Required
     ENC 1101 Composition I 3 hrs
     ENC 1102 Composition II 3 hrs
   - Select 1:
     Suggested
     SPC 1603 Fundamentals of Technical Presentations or Fundamentals of Oral Communication 3 hrs
     Suggested
     SPC 1608

   B: Cultural & Historical Foundations (9 hrs)
   - Select two courses from Historical Foundations
   - Select one class from Cultural Foundations
   - Required
     MAC 2311 Calculus with Analytic Geometry I 4 hrs
     STA 3032 Probability and Statistics for Engineers 3 hrs

   C: Mathematical Foundations (7 hrs)
   - Required
     MAC 2311 Calculus with Analytic Geometry I 4 hrs
     STA 3032 Probability and Statistics for Engineers 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1:
     Prefer
     ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
     Select one class from Social Foundations 3 hrs

   E: Science Foundations (7 hrs)
   - Required
     PHY 2048C Physics for Engineers & Scientists I 4 hrs
     Select one course from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
   - These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in EE major courses, a 2.0 (C or better) in each course is required for those courses indicated.

   ENC 1101 Composition I GEP
   ENC 1102 Composition II GEP
   MAC 2311 Calculus with Analytic Geometry I GEP
   MAC 2312 Calculus with Analytic Geometry II 4 hrs
   MAC 2313 Calculus with Analytic Geometry III 4 hrs
   MAP 2302 Differential Equations 3 hrs
   PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

   Select 1:
   - CHM 2045C Chemistry Fundamentals I or
   - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

   Humanities Courses
   Social Science Courses
   Humanities or Social Science

   1 A "C" (2.0) or better is required in this course.
   2 Preferred

3. Core Requirements: Basic Level (2 hrs)
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

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

4. Core Requirements: Advanced Level (53 hrs)

   Courses Required for the Engineering Core (12 hrs)
   - EGN 3310 Engineering Analysis-Statics 3 hrs
   - EGN 3420 Engineering Analysis 3 hrs
   - PHY 3101 Physics for Engineers and Scientists III 3 hrs
   - STA 3032 Probability and Statistics for Engineers GEP

   Select 1:
   - EGN 3321 Engineering Analysis-Dynamics 3 hrs
   - EGN 3359 Thermo-Fluids-Heat Transfer 3 hrs

   Courses Required for the Major (41 hrs)
   - EEE 3307C Electronics I 4 hrs
   - EEE 3342C Digital Systems 3 hrs
   - EEE 3350 Semiconductor Devices I 3 hrs
   - EEE 4309C Electronics II 4 hrs
   - EEL 3004 Electrical Networks 3 hrs
   - EEL 3123C Networks and Systems 4 hrs
   - EEL 3470 Electromagnetic Fields 3 hrs
   - EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
   - EEL 3557 Linear Control Systems 3 hrs
   - EEL 3801C Computer Organization 3 hrs
   - EEL 4742C Embedded Systems 4 hrs
   - EEL 4750 Digital Signal Processing Fundamentals 3 hrs

5. Restricted Electives (10 hrs)
   - Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communications, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

   Technical Electives (10 hrs)
   - Technical elective courses are to be selected by the student from department approved courses.

6. Capstone Requirements (6 hrs)
   - EEL 4914 and EEL 4915L
7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Electrical engineering students must earn at least 32 hours in residence at UCF.

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

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

Advising Notes
- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Students are assumed knowledge of a higher level programming language (C preferred).

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP- Historical Foundation 3 hrs
- GEP- Science Foundation 3 hrs

Freshman Year - Spring
- COP 3223 Introduction to Programming with C 3 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2313 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall
- EGN 3101 Engineering Analysis-Statics 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Sophomore Year - Spring
- EEL 3004 Electrical Networks 3 hrs
- EEL 3801C Computer Organization 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- GEP- Cultural Foundation 3 hrs

Sophomore Year - Summer
- EEE 3342C Digital Systems 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP- Social Foundation 3 hrs

Junior Year - Fall
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs
- EEL 4742C Embedded Systems 4 hrs

Select 1: 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Junior Year - Spring
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EEE 3307C Electronics I 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EGN 3420 Engineering Analysis 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Senior Year - Fall
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3750 Digital Signal Processing Fundamentals 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 4 hrs
- GEP-Historical Foundation 3 hrs

Senior Year - Spring
- EEE 4309C Electronics II 4 hrs
- EEL 4915L Senior Design II 3 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Elementary Education (B.S.)

College of Education
Department of Teaching and Learning Principles,
ED, Room: 209

http://education.ucf.edu/elementary/

Dr. Karin Williams, kwilliams@mail.ucf.edu
Dr. Robert Everett, ED 222M, everett@mail.ucf.edu, 407-823-5788

Admission Requirements

■ Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university.
■ Have a minimum 2.5 overall GPA.
■ Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
■ Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
■ Meet the Gordon Rule Requirement.
■ Meet the Foreign Language Admission Requirement.

Degree Requirements

■ Students should see an advisor prior to registering for classes.
■ The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
■ This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
   ■ Students are advised to take the preferred courses.

   A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer ARH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer ARH 2020 U.S. History: 1877-Present 3 hrs
   - Select 1:
     - Prefer ARH 2090 History of Western Art I or 3 hrs
     - Prefer ARH 2051 History of Western Art II or 3 hrs
     - Prefer MUL 2010 Enjoyment of Music 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Select 1:
     - Suggested MAC 1105 College Algebra or 3 hrs
     - Suggested MGF 1106 Finite Mathematics or 3 hrs
     - Suggested MGF 1107 Explorations in Mathematics 3 hrs

   Select 1:
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 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 BSC 1005 Biological Principles 3 hrs
   - Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
   ■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

3. Core Requirements: Basic Level (15 hrs)
   - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - 2 MAE 2801 Elementary School Mathematics 4 hrs
   - 1 PET 2001 Wellness, Children and Schools 1 hr

   1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
   2 MAC 1205 or MGF 1106 is a prerequisite for MAE 2801

Lower Division Electives (7 hrs)

Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program) * One associated science lab (BSC 1005L or PSC 112L) * A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2010) or an additional science course.

4. Core Requirements: Advanced Level (60 hrs)
   ■ The following recommended sequence of required upper division courses may vary at regional campus locations.

   Semester I (15 hrs)
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
   - LAE 3414 Literature for Children 3 hrs
   - 1 RED 3012 Basic Foundations of Reading 3 hrs
   - 1 TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

   1 Required prior to Internship I

   Semester II (15 hrs)
   - EEX 4070 Teaching Exceptional Students 3 hrs
   - LAE 4314 Language Arts in the Elementary School 3 hrs
   - 1 RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
   - SCE 3310 Teaching Science in Elementary School 3 hrs
   - SSE 3312 Teaching Social Science in the Elementary School 3 hrs

   1 Required prior to Internship I

   Summer (6 hrs)
   - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
   - TSL 4240 Issues in Second Language Acquisition 3 hrs

   Semester III (Internship I Block) (12 hrs)
   ■ Prior to Internship I, the student must have completed each of the prerequisite courses indicated above with a letter grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
   ■ Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   ■ Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   ■ Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/Prerequisites for Internship I: EDG 4410, RED 3012, TSL 4080, MAE 2801, EDE 3942 Internship I 3 hrs
   ■ EDE 4223 Integrated Arts and Movement in the Elementary School 3 hrs
   ■ MAE 4326 How Children Learn Mathematics 3 hrs
   ■ RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs
UNIVERSITY OF CENTRAL FLORIDA

**UCF Degree Programs**

**Semester IV (Internship II)**
- **12 hrs**
  - Passing score on the Subject Area Examination
  - All methods/specialization/foundations courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
  - Students must apply and be approved for Internship II.
  - Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
  - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

**Related Electives**
- **(0 hrs)**
  - None

**5. Restricted Electives**
- **12 hrs**
  - EDE 4943 Internship II (Elementary)

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Achieve a minimum overall 2.5 GPA within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- **120**

**Honors In Major**
- None

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**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
  - ARH 2050 History of Western Art I 3 hrs
  - EME 2100 Introduction to Technology for Educators 3 hrs
  - ENC 1101 Composition I 3 hrs
  - MAC 1105 College Algebra 3 hrs

**Freshman Year - Spring**
- 13 hrs
  - 1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
  - ENC 1102 Composition II 3 hrs
  - PSC 1121 Physical Science 3 hrs
  - PSC 1121L Physical Science Lab 1 hr
  - PSY 2012 General Psychology 3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Sophomore Year - Fall**
- 15 hrs
  - AMH 2010 U.S. History: 1877-Present 3 hrs
  - BSC 1005 Elementary School Mathematics 4 hrs
  - PET 2081 Wellness, Children and Schools 1 hr
  - STA 2014C Principles of Statistics 3 hrs

**Sophomore Year - Spring**
- 14 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs
  - EDF 2085 Introduction to Diversity for Educators 3 hrs
  - MAE 2801 Elementary School Mathematics 4 hrs
  - SSE 3312 Teaching Social Science in the Elementary School 3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Junior Year - Fall**
- 15 hrs
  - EDF 4467 Learning Theory and Assessment 3 hrs
  - EDF 4410 Teaching Strategies and Classroom Management 3 hrs
  - LAE 3414 Literature for Children 3 hrs
  - RED 3012 Basic Foundations of Reading 3 hrs
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

**Junior Year - Spring**
- 15 hrs
  - EEX 4070 Teaching Exceptional Students 3 hrs
  - LAE 4314 Language Arts in the Elementary School 3 hrs
  - RED 4513 Diagnostic and Corrective Reading Strategies 3 hrs
  - SCE 3310 Teaching Science in Elementary School 3 hrs
  - SSE 3312 Teaching Social Science in the Elementary School 3 hrs

**Junior Year - Summer**
- 6 hrs
  - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
  - TSL 4240 Issues in Second Language Acquisition 3 hrs
UCF Degree Programs

Senior Year - Fall 12 hrs
EDE 3942 Internship I 3 hrs
EDE 4223 Internship II (Elementary) 3 hrs
MAE 4326 How Children Learn Mathematics 3 hrs
RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

Senior Year - Spring 12 hrs
EDE 4943 Internship II (Elementary) 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

English - Creative Writing (B.A.)

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

Admission Requirements
- none

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a "C" (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Suggested MGF 1106 Finite Mathematics 3 hrs
   - Fundamentals of Oral Communication 3 hrs
   - Preferred SPC 1608
   - Preferred SPC 1608

   B: Cultural & Historical Foundations
   - Preferred LIT 2110 World Literature I 3 hrs
   - Preferred LIT 2120 World Literature II 3 hrs
   - Select one class from 1.B.1 list 3 hrs

   C: Mathematical Foundations
   - Preferred STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
   - STA 1060C
   - STA 1060C
   - STA 1060C
   - STA 1060C
   - STA 1060C

   1 May substitute a higher level math.

   D: Social Foundations

   E: Science Foundations

2. Common Program Prerequisites (CPP) (6 hrs)
   - ENC 1101 Composition I GEP
   - ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (9 hrs)
   - CRW 3013 Creative Writing for English Majors 3 hrs
   - CRW 3053 Theory & Practice of Creative Writing 3 hrs
   - ENG 3014 Theories and Techniques of Literary Study 3 hrs

   1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (12 hrs)
   - Literary History Requirement
   - Choose four courses total from these two groupings
   - Select at least one of these pre-1865 literature courses.
   - Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1: 3 hrs
- AML 3031 American Literature I or 3 hrs
- AML 3286 Early American Women's Words or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 3640 Native American Literature or 3 hrs
- AML 4304 Whitman and His Heirs or 3 hrs
- ENL 2012 English Literature I or 3 hrs
- ENL 4220 English Renaissance Poetry and Prose or 3 hrs
- ENL 4230 18th Century Studies or 3 hrs
- ENL 4240 English Romantic Writers or 3 hrs
- ENL 4311 Chaucer or 3 hrs
- ENL 4333 Shakespeare Studies or 3 hrs
- ENL 4341 Milton and His Age or 3 hrs
- LIT 4374 Literature of the Bible 3 hrs

Select at least one of these post-1865 literature courses.

Select 1: 3 hrs
- AML 4101 American Novel or 3 hrs
- AML 4153 American Poetry at Mid-Century or 3 hrs
- AML 4155 Modern American Poetry or 3 hrs
- AML 4261 Literature of the South or 3 hrs
- AML 4265 Florida Writers or 3 hrs
- AML 4321 Modern American Literature or 3 hrs
- AML 4630 Latino/Latina Literature or 3 hrs
- ENL 2022 English Literature II or 3 hrs
- ENL 4101 English Novel or 3 hrs
- ENL 4253 The Victorian Age: Poetry or 3 hrs
- ENL 4262 Nineteenth Century British Prose or 3 hrs
- ENL 4273 Modern British Literature or 3 hrs
- LIT 3082 Continental European Fiction Since 1900 or 3 hrs
- LIT 3192 Caribbean Literature or 3 hrs
- LIT 3823 Hispanic Women Writers or 3 hrs
- LIT 4043 Modern Drama As Literature or 3 hrs
- LIT 4184 Irish Literature or 3 hrs
- LIT 4303 Post-World War II Fiction 3 hrs

5. Restricted Electives (15 hrs)
   - Please note that students must take 4 but no more than 6 of the courses listed in a. and b. below.

   a. Choose two of the following: 6 hrs
   Select 2: 6 hrs
   - CRW 3120 Fiction Writing Workshop or 3 hrs
   - CRW 3211 Creative Nonfiction Writing or 3 hrs
   - CRW 3310 Poetry Writing Workshop or 3 hrs
   - CRW 3610 Writing Scripts 3 hrs

   b. Choose two of the following: 6 hrs
   Select 2: 6 hrs
   - CRW 4122 Advanced Fiction Writing Workshop or 3 hrs
   - CRW 4224 Advanced Nonfiction Writing Workshop or 3 hrs
   - CRW 4320 Advanced Poetry Writing Workshop or 3 hrs
   - CRW 4616 Advanced Scriptwriting Workshop 3 hrs

   1 May take ENC 4360 Nature Writing instead of CRW 4224 but not both.
c. Choose one of the following: 3 hrs

Select 1: 3 hrs
- CRW 3311 Structure of Verse or 3 hrs
- CRW 3540 Literary Magazines or 3 hrs
- CRW 3950 Cypress Dome Editorship or 3 hrs
- CRW 4014 The Writing Life or 3 hrs
- CRW 4114 History of Prose Style or 3 hrs
- CRW 4722 Editing for Creative Writers or 3 hrs
- CRW 4724 The Florida Review or 3 hrs
- any other CRW elective or Special Topics 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 foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.

8. Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses.
- Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of "B" (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Literature
- English - Technical Communication

Certificates
- None

Related Minors
- English - Technical Communication
- English - Writing
- Linguistics

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring
- CHM 1020 Concepts in Chemistry 3 hrs
- ENC 1102 Composition II 3 hrs
- LIT 2110 World Literature I 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
- 1 Restricted Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Spring
- 1 Restricted Elective 3 hrs
- AML 3031 American Literature I 3 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs
- ENL 2012 English Literature I 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- AML 3041 American Literature II 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

Junior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- CRW 3120 Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- ENL 2022 English Literature II 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- LIN 4105 History of the English Language 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- CRW 3610 Writing Scripts 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm
**UCF Degree Programs**

**English - Literature (B.A.)**
College of Arts and Humanities  
Department of English, Colbourn Hall, Room: 405  
http://english.cah.ucf.edu  
E-mail: english@mail.ucf.edu  
Dr. David Wallace  
Phone: 407-823-2212

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 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 1008 Fundamentals of Oral Communication 3 hrs
   - **B: Cultural & Historical Foundations**
     - Prefer LIT 2110 World Literature I 3 hrs
     - Prefer LIT 2120 World Literature II 3 hrs
     - Select on class from 1.B.1 list 3 hrs
   - **C: Mathematical Foundations**
     - Required MGF 1106 Finite Mathematics 3 hrs
     - Prefer STA 1000C Basic Statistics Using Microsoft Excel 3 hrs
     - 1 May substitute a higher level math.

2. **S: Science Foundations** (6 hrs)
3. **E: Social Foundations** (6 hrs)
4. **2. Common Program Prerequisites (CPP)** (0 hrs)
   - ENC 1101 Composition I GEP
   - ENC 1102 Composition II GEP
   - 1 See transfer notes for possible substitutions.

5. **D: Social Foundations** (6 hrs)

6. **3. Core Requirements: Basic Level** (6 hrs)
   - ENG 3014 Theories and Techniques of Literature Study 3 hrs
   - **Choose one gateway course**
     - CRW 3013 Creative Writing for English Majors or 3 hrs
     - CRW 3053 Theory & Practice of Creative Writing or 3 hrs
     - ENC 3241 Writing for the Technical Professional 3 hrs
   - 1 Prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

7. **4. Core Requirements: Advanced Level** (15 hrs)
   - **Literary History Requirement**
   - **Choose five courses from the two groupings**

8. **Select at least two pre-1865 literature courses** (6 hrs)
   - Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

9. **Select 2:**
   - AML 3031 American Literature I or 6 hrs
   - AML 3286 Early American Women's Words or 3 hrs
   - AML 3613 Narratives of Slavery or 3 hrs
   - AML 3640 Native American Literature or 3 hrs
   - AML 4304 Whitman and His Heirs or 3 hrs

10. **Select at least two post-1865 literature courses** (6 hrs)
    - Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

11. **Select 2:**
    - AML 3041 American Literature II or 3 hrs
    - AML 3283 Contemporary American Women's Fiction or 3 hrs
    - AML 3614 Topics in African-American Literature or 3 hrs
    - AML 3615 Harlem, Haiti, and Havana or 3 hrs
    - AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
    - AML 4101 American Novel or 3 hrs
    - AML 4153 American Poetry at Mid-Century or 3 hrs
    - AML 4155 Modern American Poetry or 3 hrs
    - AML 4261 Literature of the South or 3 hrs
    - AML 4265 Florida Writers or 3 hrs
    - AML 4321 Modern American Literature or 3 hrs
    - AML 4323 Latin/Asian Literature or 3 hrs
    - ENL 2022 English Literature II or 3 hrs
    - ENL 4253 The Victorian Age: Poetry or 3 hrs
    - ENL 4262 Nineteenth Century British Prose or 3 hrs
    - ENL 4273 Modern British Literature or 3 hrs
    - LIT 3082 Continental European Fiction Since 1900 or 3 hrs
    - LIT 3192 Caribbean Literature or 3 hrs
    - LIT 3823 Hispanic Women Writers or 3 hrs
    - LIT 4043 Modern Drama As Literature or 3 hrs
    - LIT 4184 Irish Literature or 3 hrs
    - LIT 4303 Post-World War II Fiction 3 hrs

12. **5. Restricted Electives** (15 hrs)
    - **Upper Division Requirements**

13. **Choose one single author or major author course:** 3 hrs

14. **Select 1:**
    - AML 4300 Major American Authors or 3 hrs
    - ENL 4303 British Authors or 3 hrs
    - ENL 4311 Chaucer or 3 hrs
    - ENL 4333 Shakespeare Studies or 3 hrs
    - ENL 4341 Milton and His Age or 3 hrs
    - LIT 4244 World Authors 3 hrs

15. **Choose one linguistics or theory course:** 3 hrs

16. **Select 1:**
    - ENG 3010 Practical Criticism or 3 hrs
    - LIN 3010 Principles of Linguistics or 3 hrs
    - LIN 405 History of the English Language or 3 hrs
    - LIN 4643 Cross Cultural Communication or 3 hrs
    - LIN 4660 Linguistics and Literature or 3 hrs
    - LIN 4680 Modern English Grammar or 3 hrs
    - LIT 4554 Advanced Feminist Theories 3 hrs

17. **Three additional upper level courses** (9 hrs)
    - **AML, ENL, or LIT prefix**

18. **6. Capstone Requirements**
    - None
Plan of Study

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
CHM 1020 Concepts in Chemistry 3 hrs
ENC 1102 Composition II 3 hrs
LIT 2110 World Literature I 3 hrs
LSP 1120C Elementary Spanish Language and Civilization I 4 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 16 hrs
Restricted Elective 3 hrs
BSC 1005 Biological Principles 3 hrs
LIT 2120 World Literature II 3 hrs
PSY 2012 General Psychology 3 hrs
LSP 1121C Elementary Spanish Language and Civilization II 4 hrs

Sophomore Year - Spring 15 hrs
Restricted Elective 3 hrs
AML 3031 American Literature I 3 hrs
AML 3041 American Literature II 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs
LSP 2200 Intermediate Spanish Language and Civilization I 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
CRW 3013 Creative Writing for English Majors 3 hrs
ENL 2022 English Literature II 3 hrs
LSP 4105 History of the English Language 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
AML 3031 American Literature I 3 hrs
ENL 4303 Shakespeare Studies 3 hrs

Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
AML 4101 American Novel 3 hrs
ENL 4253 The Victorian Age: Poetry 3 hrs

Senior Year - Spring 13 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 4 hrs
LSP 3383 Women in Literature 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm
English - Technical Communication (B.A.)

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. David Wallace
Phone: 407-823-2212

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must earn at least a "C" (2.0) in each required course.
■ Co-op or internship credit cannot be used in this major.
■ Students should consult with a departmental advisor.
■ Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1008 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
1 MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (May substitute a higher level math course)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

3. Core Requirements: Basic Level (6 hrs)

Select 1:
ENC 3241 Writing for the Technical Professional 3 hrs

Select 1:
CRW 3013 Creative Writing for English Majors or 3 hrs
CRW 3053 Theory & Practice of Creative Writing or 3 hrs
ENG 3014 Theories and Techniques of Literature Study 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
ENC 4280 Technical Writing Style 3 hrs
ENC 4293 Documentation and the Collaborative Process 3 hrs
ENC 4294 Documentation and Client-Based Collaboration 3 hrs
LIT 4433 Literature of Science and Technology 3 hrs

Select 1:
ENC 4215 Technical Publication and Project Management or 3 hrs
ENC 4218 The Visual in Technical Documentation 3 hrs

Literary History Requirement 9 hrs
■ Choose three courses from these two groupings

Select at least one of these pre-1865 literature courses
AML 3001 American Literature I or 3 hrs
AML 3296 Early American Women's Words or 3 hrs
AML 3613 Narratives of Slavery or 3 hrs
AML 3640 Native American Literature or 3 hrs
AML 4304 Whitman and His Heirs or 3 hrs
ENL 2012 English Literature I or 3 hrs
ENL 4220 English Renaissance Poetry and Prose or 3 hrs
ENL 4230 18th Century Studies or 3 hrs
ENL 4240 English Romantic Writers or 3 hrs
ENL 4311 Chaucer or 3 hrs
ENL 4333 Shakespeare Studies or 3 hrs
ENL 4341 Milton and His Age or 3 hrs
LIT 4374 Literature of the Bible 3 hrs

Select at least one of these post 1865 literature courses
AML 3041 American Literature II or 3 hrs
AML 3283 Contemporary American Women's Fiction or 3 hrs
AML 3614 Topics in African-American Literature or 3 hrs
AML 3615 Harlem, Haiti, and Havana or 3 hrs
AML 3643 Contemporary Native American Prose and Poetry or 3 hrs
AML 4101 American Novel or 3 hrs
AML 4153 American Poetry at Mid-Century or 3 hrs
AML 4155 Modern American Poetry or 3 hrs
AML 4261 Literature of the South or 3 hrs
AML 4265 Florida Writers or 3 hrs
AML 4321 Modern American Literature or 3 hrs
AML 4630 Latino/Latina Literature or 3 hrs
ENL 2022 English Literature II or 3 hrs
ENL 4101 English Novel or 3 hrs
ENL 4253 The Victorian Age: Poetry or 3 hrs
ENL 4262 Nineteenth Century British Prose or 3 hrs
ENL 4273 Modern British Literature or 3 hrs
LIT 3082 Continental European Fiction Since 1900 or 3 hrs
LIT 3192 Caribbean Literature or 3 hrs
LIT 3823 Hispanic Women Writers or 3 hrs
LIT 4043 Modern Drama As Literature or 3 hrs
LIT 4184 Irish Literature or 3 hrs
LIT 4303 Post-World War II Fiction 3 hrs

5. Restricted Electives (3 hrs)

Select 1:
ENC 3911 Advanced Expository Writing or 3 hrs
ENC 4262 International Technical Communication or 3 hrs
ENC 4265 Writing for the Computer Industry or 3 hrs
ENC 4290 Usability Testing for Technical Communication or 3 hrs
ENC 4414 Writing and Hypertext or 3 hrs

Optional course:
ENC 4941 Internship 1 hr

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Met by graduation requirement

Graduation
■ Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of the following: ENC 4293 Documentation and the Collaborative Process 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major (9 hrs)
- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

Related Programs
- English - Creative Writing
- English - Literature

Certificates
- None

Related Minors
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Writing

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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**English Language Arts Education (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles,**

**Education Building, Room: 209**


**E-mail:** jkaplan@mail.ucf.edu

Dr. Jeff Kaplan, ED 122B

Phone: 407-823-2041

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**Admission Requirements**
- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

**Degree Requirements**
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP) (36 hrs)**
- Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>A: Communication Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations (9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010 U.S. History: 1492-1877</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present</td>
</tr>
<tr>
<td>Required LIT 2110 World Literature I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer MGF 1106 Finite Mathematics</td>
</tr>
<tr>
<td>Select 1:</td>
</tr>
<tr>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel or</td>
</tr>
<tr>
<td>Prefer STA 2014C Principles of Statistics</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer POS 2041 American National Government</td>
</tr>
<tr>
<td>Prefer PSY 2012 General Psychology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations (6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer PSC 1121 Physical Science</td>
</tr>
<tr>
<td>Select 1:</td>
</tr>
<tr>
<td>Prefer ANT 2511 The Human Species or</td>
</tr>
<tr>
<td>Prefer BSC 1005 Biological Principles</td>
</tr>
</tbody>
</table>

2. **Common Program Prerequisites (CPP) (9 hrs)**
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>EDF 2005</th>
<th>Introduction to the Teaching Profession</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
UCF Degree Programs

3. Core Requirements: Basic Level  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 2012</td>
<td>English Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENL 2022</td>
<td>English Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 2110</td>
<td>World Literature I</td>
<td>GEP</td>
</tr>
<tr>
<td>LIT 2120</td>
<td>World Literature II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Prerequisite for Internship I.

Courses taken at community colleges may substitute for select courses in overall for admission to Internship II.

GPA of 2.5 is required in the professional, specialization and courses must be completed with a letter grade of "C-" (1.75) or better.

4. Core Requirements: Advanced Level  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4242</td>
<td>Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Prerequisite for Internship I.

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</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 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Specialization Requirements 21 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3031</td>
<td>American Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AML 3041</td>
<td>American Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CRW 3013</td>
<td>Creative Writing for English Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENG 3014</td>
<td>Theories and Techniques of Literature Study</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Survey of Adolescent Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3311</td>
<td>Advanced Expository Writing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIN 4105</td>
<td>History of the English Language</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

Upper Division Elective with EDF, EDG, LAE, or RED prefix 3 hrs

Internship I Block 9 hrs

- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/.
- LAE 3940 Internship 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 4360 English Instructional Analysis 3 hrs

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.education.ucf.edu/clinicalexp/.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

5. Restricted Electives (0 hrs)

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

Consult with your Education advisor and review your degree audit for more recent information.

Transfer Notes

None
### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall
- EDF 2005: Introduction to the Teaching Profession 12 hrs
- ENC 1101: Composition I 3 hrs
- MGF 1106: Finite Mathematics 3 hrs
- PSY 2012: General Psychology 3 hrs

#### Freshman Year - Spring
- EDF 2005: Introduction to Diversity for Educators 3 hrs
- ENC 1102: Composition II 3 hrs
- POS 2041: American National Government 3 hrs
- PSC 1121: Physical Science 3 hrs

#### Freshman Year - Summer
- EME 2040: Introduction to Technology for Educators 3 hrs
- LIU 2110: World Literature I 3 hrs

#### Sophomore Year - Fall
- AMH 2010: U.S. History: 1492-1877 3 hrs
- LIT 2120: World Literature II 3 hrs
- SPC 1608: Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
  - ANT 2511: The Human Species or
  - BSC 1005: Biological Principles 3 hrs
- Select 1: 3 hrs
  - STA 1060C: Basic Statistics Using Microsoft Excel or
  - STA 2014C: Principles of Statistics 3 hrs

#### Sophomore Year - Spring
- AMH 2020: U.S. History: 1877-Present 3 hrs
- AML 3031: American Literature I 3 hrs
- EDF 2130: Child and Adolescent Development for Educators 3 hrs
- ENL 2012: English Literature I 3 hrs

#### Sophomore Year - Summer
- ENL 2022: English Literature II 3 hrs
- TSL 4080: Theory and Practice of Teaching ESOL to Students in Schools 3 hrs

#### Junior Year - Fall
- CRW 3013: Creative Writing for English Majors 3 hrs
- EDF 4467: Learning Theory and Assessment 3 hrs
- EDG 4410: Teaching Strategies and Classroom Management 3 hrs
- TSL 4240: Issues in Second Language Acquisition 3 hrs
- Select 1: 3 hrs
  - ENC 3311: Advanced Expository Writing or
  - LIN 4105: History of the English Language 3 hrs
- Upper Division Elective w/ RED, LAE, EDG, or EDF prefix 3 hrs

#### Junior Year - Spring
- AML 3041: American Literature II 3 hrs
- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- LAE 4361: Literacy Strategies for Middle and High School Grade 12 3 hrs
- RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs
- Select 1: 3 hrs
  - ENC 3311: Advanced Expository Writing or
  - LIN 4105: History of the English Language 3 hrs
- Upper Division Elective w/ RED, LAE, EDG, or EDF prefix 3 hrs

#### Senior Year - Fall
- EEX 4242: Teaching Exceptional Students in Secondary Settings 3 hrs
- LAE 3940: Internship 3 hrs
- LAE 4342: Programs in Teaching Language and Composition 3 hrs
- LAE 4360: English Instructional Analysis 3 hrs

#### Senior Year - Spring
- LAE 4941: Internship 12 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Environmental Engineering (B.S.Env.E.)

#### College of Engineering and Computer Science

#### Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211

http://www.cece.ucf.edu

Ms. Carol Ann Pohl, cpohl@mail.ucf.edu
Dr. Andrew Randall, randall@mail.ucf.edu
Phone: 407-823-2841

### Admission Requirements
- None

#### Degree Requirements

**UCF General Education Program (GEP)** (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations** (9 hrs)
- Required ENC 1101: Composition I 3 hrs
- Required ENC 1102: Composition II 3 hrs
- Suggested SPC 1003: Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
- Select two courses from Historical Foundations 3 hrs
- Select one class from Cultural Foundations 3 hrs

**C: Mathematical Foundations** (7 hrs)
- Required MAC 2311: Calculus with Analytic Geometry I 4 hrs
- Required STA 3032: Probability and Statistics for Engineers 3 hrs

**D: Social Foundations** (6 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2013: Microeconomics or
  - Prefer ECO 2023: Principles of Microeconomics 3 hrs
  - Select one class from Social Foundations 3 hrs

**E: Science Foundations** (7 hrs)
- Prefer GEO 1200: Physical Geography 3 hrs
- Required PHY 2048C: Physics for Engineers & Scientists I 4 hrs

### 2. Common Program Prerequisites (CPP)

**These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.**

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- ENC 1101: Composition I
- ENC 1102: Composition II
- MAC 2311: Calculus with Analytic Geometry I
- MAC 2312: Calculus with Analytic Geometry II
- MAC 2313: Calculus with Analytic Geometry III
- MAP 2302: Differential Equations
- PHY 2048C: Physics for Engineers & Scientists I
- PHY 2049C: Physics for Engineers & Scientists II
UCF Degree Programs

Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2040C Chemistry Fundamentals IA and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2041C Chemistry Fundamentals IB</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>CHS 1440 Fundamentals of Chemistry for Engineers</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

1 also satisfy UCF GEP sub-requirements

3. Core Requirements: Basic Level (6 hrs)
   - Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.
   - CHM 2045C Chemistry Fundamentals I
   - CHM 2046 Chemistry Fundamentals II
   - CHM 2046L Chemistry Fundamentals Laboratory
   - EGN 1006C Introduction to the Engineering Profession
   - EGN 1007C Engineering Concepts and Methods
   - Earth Science - GEP
   - Biological Science
   - 3 hrs

4. Core Requirements: Advanced Level (51 hrs)

Courses Required for the Major

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 4003 Introduction to the Construction Industry</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 3201 Engineering Fluid Mechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4101C Hydrology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4203C Hydraulics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EES 4111C Biological Process Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EES 4202C Chemical Process Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EGN 3310 Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321 Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331 Mechanics of Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343 Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373 Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613 Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 ENV 3001 Introduction to Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4120 Air Pollution Control</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4341 Solid &amp; Hazardous Waste Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ENV 4561 Environmental Engineering - Process Design</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>GEP</td>
</tr>
</tbody>
</table>

1 A "C" (2.0) or better is required in this course.

5. Restricted Electives (7 hrs)
   - Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   - Required Senior Design Courses

Select 2:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGN 4808C Civil Engineering Capstone Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4812C Water Resources Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4122C Air Pollution Control Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4300C Solid Waste Facility Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENV 4562C Environmental Engineering Systems Design</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 one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - EnVE students must take the Fundamentals of Engineering (FE) Exam during their Senior year.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - None

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Chemistry
- Civil Engineering
- Construction Engineering

Certificates
- None

Related Minors
- Bioengineering
- Chemistry
- Engineering Leadership
- Environmental Studies
- Mathematics

Advising Notes
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- The Environmental Engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the PhD program after completion of an appropriate BS degree. This option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the BS, and may allow completion of the PhD in a shorter time period than by taking a separate Masters followed by the PhD.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one for each) may, with prior approval of the department academic advisor, be moved to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their departmental academic advisor to develop and maintain an appropriate plan of study.
### UCF Degree Programs

**Event Management (B.S.)**  
Rosen College of Hospitality Management  
Department of Tourism Event and Attractions, 9907 Universal Boulevard, Orlando, FL 32819  
http://www.hospitality.ucf.edu  
E-mail: hospitality@mail.ucf.edu  
Dr. Deborah Breiter, Department Chair  
Dr. Abraham Pizam, Dean  
Phone: 407-903-8000

#### Admission Requirements
- None

#### Degree Requirements
- None

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

   - **A: Communication Foundations**  
     (9 hrs)

   - **B: Cultural & Historical Foundations**  
     (9 hrs)

   - **C: Mathematical Foundations**
     - Required  
     - MAC 1105  College Algebra  
     - 3 hrs

   - **Select 1:**
     - Required  
     - CGS 2100C  Computer Fundamentals for Business or  
     - STA 2023  Statistical Methods I  
     - 3 hrs

   - **Select 1:**  
     - 3 hrs

2. **D: Social Foundations**

   - **Select 1:**
     - Required  
     - ECO 2013  Principles of Macroeconomics or  
     - ECO 2023  Principles of Microeconomics  
     - 3 hrs

   - **Select 1:**  
     - 3 hrs

3. **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**  
(0 hrs)

   - MAC 1105  College Algebra  
   - GEP

   - **Select 1:**
     - Required  
     - CGS 2100C  Computer Fundamentals for Business or  
     - STA 2023  Statistical Methods I  
     - 0 hr

   - **Select 1:**  
     - ECO 2013  Principles of Macroeconomics or  
     - ECO 2023  Principles of Microeconomics  
     - 0 hr

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

   - **Hospitality Management Core**  
     (24 hrs)

     - HFT 2220  Hospitality Human Resources Management  
     - HFT 2254  Lodging Operations  
     - HFT 2401  Hospitality Industry Financial Accounting  
     - HFT 2500  Hospitality and Tourism Marketing  
     - HFT 3431  Hospitality Industry Managerial Accounting  
     - HFT 3540  Guest Services Management I  
     - HFT 4286  Hospitality Communications  
     - HFT 4464  Hospitality Industry Finance  
     - 3 hrs

   - **Internships**  
     - HFT 3940  Internship  
     - HFT 4941  Internship  
     - HFT 4944  Practicum  
     - 3 hrs

---

### Environmental Studies Track

See Interdisciplinary Studies - Environmental Studies Track
Event Management Core

- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs

Electives

- Select 1: 3 hrs
- Select 2: 3 hrs

Sophomore Year - Fall

- Select one course from the list 3 hrs
- Select one course from the list 3 hrs

Sophomore Year - Spring

- Select one course from the list 3 hrs
- Select one course from the list 3 hrs

Plan of Study

Freshman Year - Fall

- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs
- HFT 2750 The Event Industry 3 hrs
- MAC 1105 College Algebra 3 hrs

Sophomore Year - Fall

- Select one course from the list 3 hrs
- Select one course from the list 3 hrs

Sophomore Year - Spring

- Select one course from the list 3 hrs
- Select one course from the list 3 hrs

Advising Notes

- None

Transfer Notes

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.

Acceptable Substitutes for Transfer Courses

- None
Cultural Foundation Course  
3 hrs  
ARH 2050  History of Western Art I or 3 hrs  
FIL 1000  Cinema Survey or 3 hrs  
LIT 2110  World Literature I or 3 hrs  
LIT 2120  World Literature II or 3 hrs  
MUL 2010  Enjoyment of Music or 3 hrs  
PHI 2010  Introduction to Philosophy or 3 hrs  
REL 2300  World Religions or 3 hrs  
THE 2000  Theatre Survey 3 hrs

1 Food Preparation for Catered Events 4 credit hours

Junior Year - Fall  
16 hrs  
HFT 2254  Lodging Operations 3 hrs  
HFT 2401  Hospitality Industry Financial Accounting 3 hrs  
HFT 3373  Event Design, Production & Technology 3 hrs  
HFT 3519  Event Services 3 hrs  
HFT 3540  Guest Services Management I 3 hrs  
HFT 3940  Internship 1 hr

Junior Year - Spring  
15 hrs  
HFT 3431  Hospitality industry Managerial Accounting 3 hrs  
HFT 4941  Internship 1 hr

Event Management Restricted Electives ***See list in catalog for 9hrs

Senior Year - Fall  
15 hrs  
HFT 4266  Hospitality Communications 3 hrs  
HFT 4464  Hospitality Industry Finance 3 hrs  
HFT 4944  Practicum 1 hr

Event Management Restricted Elective ***See list in catalog for 3hrs

University Free Electives 5 hours  hr

Senior Year - Spring  
15 hrs  
HFT 4757  Event Management 3 hrs

Event Management Restricted Electives ***See list in catalog for 6hrs

University Free Electives 6 hours  hr

Program Academic Learning Compacts  
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees  
Part-Time Student: $37.50 per term  
Full-Time Student: $75 per term

Exceptional Student Education (B.S.)  
College of Education  
Department of Child, Family and Community Sciences,  
Education Building, Room: 209  
http://www.education.ucf.edu/  
Dr. Lee Cross, Program Coordinator, lcross@mail.ucf.edu  
Linda Alexander, Program Contact, lalexand@mail.ucf.edu,  
407-823-2598

Admission Requirements  
Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.  
Have a minimum 2.5 overall GPA.  
Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).  
Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-“ (1.75) or better.  
Meet the Gordon Rule Requirement.  
Meet the foreign language admission requirement.

Degree Requirements  
Students should seek advising through the Exceptional Education faculty prior to registering for classes.

The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.

This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

Students must earn a “C-“(1.75) or better in each required Exceptional Education course

Passing scores on ALL three applicable sections of the Florida Teacher Certification Examination. See http://www.fldoe.org for available test dates and test sites.

FTCE General Knowledge Test (GKT): Passing score on the GKT is required prior for admission into the College of Education.

FTCE Professional Education Test (PED) prior to Internship I.

FTCE Subject Area Examination for Exceptional Student Education K-12 Must take and pass one of the following content area subject area examinations: Elementary K-5, Secondary individual subject areas 6-12, or Integrated Curriculum 6-9

1. UCF General Education Program (GEP)  
(36 hrs)  
Students are advised to take the preferred courses.

A: Communication Foundations  
(9 hrs)  
Required ENC 1101 Composition I 3 hrs  
Required ENC 1102 Composition II 3 hrs  
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations  
(9 hrs)  
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs  
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1:  
3 hrs  
Prefer LIT 2110 World Literature I or 3 hrs  
Prefer LIT 2120 World Literature II or 3 hrs  
Prefer PHI 2010 Introduction to Philosophy or 3 hrs  
Prefer REL 2300 World Religions 3 hrs

Select 1:  
3 hrs  
Suggested MGF 1106 Finite Mathematics or 3 hrs  
Suggested MGF 1107 Explorations in Mathematics 3 hrs

D: Social Foundations  
(6 hrs)  
Prefer POS 2041 American National Government 3 hrs  
Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations  
(6 hrs)  
Prefer PSC 1121 Physical Science 3 hrs

Select 1:  
3 hrs  
Prefer ANT 2511 The Human Species or 3 hrs  
Prefer BSC 1005 Biological Principles 3 hrs

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

EDF 2085 Introduction to the Teaching Profession 3 hrs  
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
UCF Degree Programs

3. Core Requirements: Basic Level (15 hrs)
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
   - EEX 2010 Introduction to Special Education 3 hrs
   - EEX 2758 Enhancing Family Involvement in Education 2 hrs
   - MAE 2801 Elementary School Mathematics 4 hrs

Courses taken at community colleges may substitute for select courses in other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)
   - Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Student Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Student Education major’s program and to integrate theory and practice in actual school settings. Throughout the Exceptional Student Education program, students document and reflect upon their accomplishments in a Professional LiveText Portfolio, which is continuously reviewed by faculty. In addition, students must complete a TESOL Notebook.

Semester I
   - EDF 441D Teaching Strategies and Classroom Management 12 hrs
   - EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
   - RED 3012 Basic Foundations of Reading 3 hrs
   - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Semester II
   - It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II 15 hrs
   - EDF 4467 Learning Theory and Assessment 3 hrs
   - EEX 4383 Techniques for Exceptional Adolescents-Adults 3 hrs
   - LAE 4312 Language Arts in the Elementary School 3 hrs
   - RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
   - TSL 4240 Issues in Second Language Acquisition 3 hrs

Semester III (Summer)
   - Please note: It is required to take the Professional Education Test (PED) prior to Semester III and the Exceptional Student Education (ESE) Subject Area Exam portion of the Florida Teacher Certification Exam (FTCE) prior to Semester IV.
   - Students must apply and be approved for Internship I.
   - Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalxp/
   - 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.
   - EEX 3221 Assessment of Exceptional Students 3 hrs
   - EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Semester IV
   - Students must apply and be approved for Internship II.
   - Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu/
   - A passing score on all applicable sections of the Florida Teacher Certification Examination (General Knowledge Test, Professional Education Test, and Subject Area Examination for Exceptional Student Education K-12) is strongly recommended before entry into student teaching (EEX 4941 Internship II).

   - Choose one course from either the Elementary or Secondary level Methods Content Area Course I sections.
   - EEX 3942 Internship I Exceptional Education 3 hrs
   - EEX 4601 Introduction to Behavior Management 3 hrs
   - EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
   - RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

Elementary Level: Methods Content Area 0 hr
   - Course I
     - LAE 3434 Literature for Children 3 hrs
     - MAE 4326 How Children Learn Mathematics or 3 hrs
     - SCE 3310 Teaching Science in Elementary School or 3 hrs
     - SSE 3312 Teaching Social Science in the Elementary School 3 hrs

Secondary Level: Methods Content Area 0 hr
   - Course I
     - MAE 4360 Mathematics Instructional Analysis or 4 hrs
     - RED 4043 Content Reading in Kindergarten through Grade 12 or 3 hrs
     - SCE 4360 Science Instructional Analysis or 4 hrs
     - SSE 4361 Social Science Instructional Analysis 4 hrs

1 To enroll in this course, you must be registered for EEX 3942 Internship I.

Semester V
   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.065.
   - All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

   - Choose one course from either the Elementary or Secondary level Methods Content Area Course II sections.
   - EEX 4941 Internship 9 hrs

Elementary Level: Methods Content Area 0 hr
   - Course II
     - LAE 3434 Literature for Children 3 hrs
     - SCE 3310 Teaching Science in Elementary School 3 hrs
     - SSE 3312 Teaching Social Science in the Elementary School 3 hrs

Secondary Level: Methods Content Area 0 hr
   - Course II
     - MAE 4360 Mathematics Instructional Analysis or 4 hrs
     - RED 4043 Content Reading in Kindergarten through Grade 12 or 3 hrs
     - SCE 4360 Science Instructional Analysis or 4 hrs
     - SSE 4361 Social Science Instructional Analysis 4 hrs

5. Restricted Electives (0 hrs)
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
   - Graduation
     - None

8. Electives
   - None
9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a LiveText portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- EDF 2005 Introduction to Diversity for Educators 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSC 1121 Physical Science 3 hrs

Select 1:
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions 3 hrs

Freshman Year - Summer
- EME 2040 Introduction to Technology for Educators 3 hrs
- POS 2041 American National Government 3 hrs

Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- EEX 2758 Enhancing Family Involvement in Education 2 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Sophomore Year - Summer
- A passing score on the FTCE General Knowledge Test (GKT) portion of the Florida Teacher Certification Examination is required prior to admission to the Exceptional Education Program.
- EEX 2010 Introduction to Special Education 3 hrs

Junior Year - Fall
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4060 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Junior Year - Spring
- It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE during Semester II.
- EDF 4467 Learning Theory and Assessment 3 hrs
- EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

Junior Year - Summer
- It is strongly recommended to take the Subject Area Examination (SAE) portion of the FTCE during Semester III.
- EEX 3221 Assessment of Exceptional Students 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Senior Year - Fall
- EEX 3942 Internship I Exceptional Education 3 hrs
- EEX 4501 Introduction to Behavior Management 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading 3 hrs

Select Methods Content I
- Choose from one of the following. Must be different from the selected course during Senior Year Fall Term.
- LAE 3414 Literature for Children or 3 hrs
- LAE 4360 English Instructional Analysis or 3 hrs
- MAE 4326 How Children Learn Mathematics or 3 hrs
- MAE 4360 Mathematics Instructional Analysis or 4 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 or 3 hrs
- SCE 3310 Teaching Science in Elementary School or 3 hrs
- SCE 4360 Science Instructional Analysis or 4 hrs
- SSE 3312 Teaching Social Science in the Elementary School or 3 hrs
- SSE 4361 Social Science Instructional Analysis or 4 hrs

Senior Year - Spring
- EEX 4943 Internship II 1 hr
- Select one approved Methods Course 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm
Film (B.F.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Mr. Steve Schlow, 407-823-2845

Degree Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors. Exceptions must be approved by the Department Chair.
- A portfolio review is required for entry into the Film BFA major. Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.
- 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.
- All students are required to pay a fee for equipment insurance.
- Students must consult with a departmental advisor each semester.
- 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 adopt the most current catalog.
- 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.

1. UCF General Education Program (GEP) (36 hrs)
- See Transfer Notes for possible substitutions.

A: Communication Foundations (9 hrs)
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs
- See Transfer Notes for possible substitutions.

B: Cultural & Historical Foundations (9 hrs)
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list 3 hrs
- See Transfer Notes for possible substitutions.

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Select 1:
  - Prefer CGS 1060C Introduction to Computer Science or 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- See Transfer Notes for possible substitutions.

D: Social Foundations (6 hrs)
- See Transfer Notes for possible substitutions.

E: Science Foundations (6 hrs)
- See Transfer Notes for possible substitutions.

2. Common Program Prerequisites (CPP) (3 hrs)

3. Core Requirements: Basic Level (21 hrs)
- Lower level core requirements
  - DIG 2030 Introduction to Digital Media 3 hrs
  - FIL 1009 Cinematic Expression for Majors 3 hrs
  - FIL 2107 Script Analysis 3 hrs
  - FIL 2461 Cinematography I 3 hrs
  - FIL 2480 Directing for Film I 3 hrs
  - FIL 2481 Directing the Actor for Film I 3 hrs
  - FIL 2552C Editing I 3 hrs
1 See Transfer Notes for possible substitutions.

4. Core Requirements: Advanced Level (36 hrs)
- Upper level core requirements
  - FIL 3037 Film History II 3 hrs
  - FIL 3115 Short Script I 3 hrs
  - FIL 3132 Short Script II 3 hrs
  - FIL 3427C Introduction to Film Production 3 hrs
  - FIL 3534 Sound Design for Film I 3 hrs
  - FIL 3863C Film Theory and Criticism I 3 hrs
  - FIL 3922 Film Colloquium 1 hr
  - FIL 4486C Directing for Film II 3 hrs
  - FIL 4647 Film Production Management 3 hrs
  - FIL 4661 The Film Producer 3 hrs
2 Six semesters of colloquium required at 1 hour each.

5. Restricted Electives (12 hrs)
- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor's prior approval.

Production/Direction
- DIG 4704 Interactive Entertainment 3 hrs
- FIL 3363C Film Documentary 3 hrs
- FIL 4451 Design for Film 3 hrs
- FIL 4472C Cinematography II 3 hrs
- FIL 4487 Directing for Film III 3 hrs
- FIL 4535C Sound Design for Film II 3 hrs
- FIL 4536 Sound Design III 3 hrs
- FIL 4566C Editing II 3 hrs

Screen Writing
- FIL 4103 Adaptation 3 hrs
- FIL 4113C Interactive Writing I 3 hrs
- FIL 4114C Interactive Writing II 3 hrs
- FIL 4126C Genre Writing 3 hrs
- FIL 4162C Feature/TV Writing I 3 hrs
- FIL 4163C Feature/TV Writing II 3 hrs
- FIL 4906 Directed Independent Study 1 hr

Cinema Studies
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL 3804C Film Theory and Criticism II 3 hrs
- FIL 3820 Italian Film 3 hrs
- FIL 3822 French Film 3 hrs
- FIL 3823 German Film 3 hrs
- FIL 3824 Italian Neo-Realist Cinema 3 hrs
- FIL 3826 American Cinema 3 hrs
- FIL 3831 Black Cinema 3 hrs
- FIL 3841 French New Wave Cinema 3 hrs
- FIL 3847 Latin American Cinema 3 hrs
- FIL 3871 The American Film Artist 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- FIL 4436 Film Theory/Film Production 3 hrs

Digital Cinema
- ART 2823 Art as Interface 3 hrs
- ART 3618C Post-Production Design 3 hrs
- COP 3502C Computer Science I 3 hrs
- DIG 3134 Media Software Design 3 hrs
- DIG 3138C Digital Imagery 3 hrs
- DIG 4780C Modeling for Realtime Systems 3 hrs
- DIG 4855 Converging Media Capstone 3 hrs
- ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs
- MUC 3311 MIDI Sequencing I 3 hrs

6. Capstone Requirements (6 hrs)

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.

1 Six semesters of colloquium required at 1 hour each.
8. Electives
   - Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A student must maintain an overall average of a “B” (3.0) or better in major courses.
    - Department of Film requires an exit interview.

Computer Competency met by one of the following:
- CGS 1060C Introduction to Computer Science (3 hrs)
- FIL 2552C Editing I or Basic Statistics Using Microsoft Excel (3 hrs)
- STA 1060C

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Art
- Digital Media
- English - Creative Writing
- Film - Cinema Studies Track
- Film - World Cinema Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- Digital Media
- English - Creative Writing
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
- FIL 1007 may use any introductory film writing course. However, FIL 1008 is a prerequisite for all major courses and must be taken.

Plan of Study

**Freshman Year - Fall**
- ENC 1101 Composition I (3 hrs)
- FIL 1007 Foundations of Story (3 hrs)
- FIL 1008 Cinematic Expression/Aesthetics (3 hrs)
- FIL 1009 Cinematic Expression for Majors (3 hrs)
- FIL 3922 Film Colloquium (1 hr)
- GEP (3 hrs)
- Foreign Language (4 hrs)

**Freshman Year - Spring**
- ENC 1102 Composition II (3 hrs)
- FIL 2030 History of Motion Pictures (3 hrs)
- FIL 2107 Script Analysis (3 hrs)
- FIL 3922 Film Colloquium (1 hr)
- GEP (3 hrs)
- Foreign Language (4 hrs)

**Freshman Year - Summer**
- GEP (3 hrs)

**Sophomore Year - Fall**
- FIL 3115 Short Script I (3 hrs)
- FIL 3427C Introduction to Film Production (3 hrs)
- FIL 3803C Film Theory and Criticism I (3 hrs)
- FIL 3922 Film Colloquium (1 hr)
- GEP (3 hrs)
- GEP (3 hrs)

**Sophomore Year - Spring**
- FIL 2480 Directing for Film I (3 hrs)
- FIL 2481 Directing the Actor for Film I (3 hrs)
- FIL 2552C Editing I (3 hrs)
- FIL 3922 Film Colloquium (1 hr)
- GEP (3 hrs)
- GEP (3 hrs)

**Sophomore Year - Summer**
- GEP (3 hrs)
- GEP (3 hrs)

**Junior Year - Fall**
- DIG 2000 Introduction to Digital Media (3 hrs)
- FIL 2461 Cinematography I (3 hrs)
- FIL 3036 Film History I (3 hrs)
- FIL 3534 Sound Design for Film I (3 hrs)
- FIL 3922 Film Colloquium (1 hr)
- FIL 4486C Directing for Film II (3 hrs)

**Junior Year - Spring**
- FIL 3037 Film History II (3 hrs)
- FIL 3132 Short Script II (3 hrs)
- FIL 3922 Film Colloquium (1 hr)
- FIL 4647 Film Production Management (3 hrs)
- FIL 4661 The Film Producer (3 hrs)
- FIL XXXX - Elective

**Senior Year - Fall**
- FIL 4434C Capstone I (3 hrs)
- FIL XXXX - Elective
- FIL XXXX - Elective

**Senior Year - Spring**
- FIL 4573C Capstone II (3 hrs)
- FIL XXXX - Elective

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

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

Film - Cinema Studies Track (B.A.)

College of Arts and Humanities

Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students are required to maintain an overall average of “C” (2.0) or better in major courses.

Film production/directing classes are not open to Cinema Studies majors.

Cinema Studies Track is not an entrance into the BFA Film Program.

Internship credit can be used in this major.

Students must consult with a departmental advisor each semester.

Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Prefer FIL 2030 History of Motion Pictures 3 hrs

Prefer one course from 1.B.1 list 3 hrs

Prefer one course from 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)

1 Suggested MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs

Prefer CGS 1060C Introduction to Computer Science or

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 FIL 1007 Foundations of Story 3 hrs

1 FIL 2030 History of Motion Pictures GEP

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (12 hrs)

DIG 2000 Introduction to Digital Media 3 hrs

FIL 1008 Cinematic Expression/Aesthetics 3 hrs

FIL 2107 Script Analysis 3 hrs

FIL 2423 Foundations of Production 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

Select 1: 3 hrs

FIL 3006 Art of the Cinema 3 hrs

FIL 3036 Film History I 3 hrs

FIL 3037 Film History II 3 hrs

FIL 3051 Avant-Garde Cinema 3 hrs

FIL 3383C Film Documentary 3 hrs

FIL 3462C Cinematic Expression 3 hrs

FIL 3803C Film Theory and Criticism I 3 hrs

FIL 3804C Film Theory and Criticism II 3 hrs

FIL 3826 American Cinema 3 hrs

FIL 3845 World Cinema Traditions 3 hrs

FIL 4661 The Film Producer 3 hrs

FIL 3102 Writing for Film and TV or

FIL 3115 Short Script I 3 hrs

5. Restricted Electives (9 hrs)

Select three courses from the following upper level FIL courses:

A maximum of 6 hours Independent Study and/or internship credit may be used

DIG 4704 Interactive Entertainment 3 hrs

DIG 4855 Converging Media Capstone 3 hrs

FIL 3041 History of Animated Films I 3 hrs

FIL 3820 Italian Film 3 hrs

FIL 3822 French Film 3 hrs

FIL 3823 German Film 3 hrs

FIL 3824 Italian Neo-Realist Cinema 3 hrs

FIL 3831 Black Cinema 3 hrs

FIL 3841 French New Wave Cinema 3 hrs

FIL 3842 International Cinema 3 hrs

FIL 3847 Latin American Cinema 3 hrs

FIL 3850 Cinema Directors 3 hrs

FIL 3852 Cinema Criticism Writing 3 hrs

FIL 3871 The American Film Artist 3 hrs

FIL 3880C Images of Women in Film 3 hrs

FIL 4436 Film Theory/Film Production 3 hrs

FIL 4906 Directed Independent Study 3 hrs

FIL 5612 Film and Internet Business 3 hrs

6. Capstone Requirements

No

7. Foreign Language Requirements

Admissions

Met by graduation requirement.

Graduation

Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Minors

Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements

A student must maintain an overall average of “C” (2.0) or better in major courses.

Computer competency met by one of the following:

CSG 1060C Introduction to Computer Science 3 hrs

FIL 1008 Cinematic Expression/Aesthetics 3 hrs

STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors in Major

None
Related Programs
- Art
- English - Creative Writing
- Film
- Film - World Cinema Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- English - Creative Writing
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Transfer Courses

Acceptable substitutes for Common Program Prerequisites
FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken FIL 1007 may use any introductory film writing course. However, FIL 1007 is a prerequisite for all major courses and must be taken

Plan of Study
- A minor is required. This Plan of Study includes 18 credit hours for a minor. Please check the requirements for a desired minor as more coursework may be required.

Freshman Year - Fall
ENC 1101  Composition I  3 hrs
FIL 1007  Foundations of Story  3 hrs
FIL 2030  History of Motion Pictures  3 hrs
Foreign Language I  4 hrs

Freshman Year - Spring
ENC 1102  Composition II  3 hrs
FIL 1009  Cinematic Expression/Aesthetics  3 hrs
FIL 2107  Script Analysis  3 hrs
Foreign Language II  4 hrs

Freshman Year - Summer
GEP  3 hrs
GEP  3 hrs
GEP  3 hrs

Sophomore Year - Fall
FIL 2423  Foundations of Production  3 hrs
FIL 3006  Art of the Cinema  3 hrs
FIL 3036  Film History I  3 hrs
GEP  3 hrs
GEP  3 hrs

Sophomore Year - Spring
DIG 2000  Introduction to Digital Media  3 hrs
FIL 3037  Film History II  3 hrs

Take one of the following  3 hrs
FIL 3102  Writing for Film and TV or
FIL 3115  Short Script I  3 hrs
GEP  3 hrs
GEP  3 hrs

Junior Year - Fall
FIL 3363C  Film Documentary  3 hrs
FIL 3803C  Film Theory and Criticism I  3 hrs
FIL 1000 - Elective  3 hrs
GEP  3 hrs
Minor  3 hrs

Junior Year - Spring
FIL 3462C  Cinematic Expression  3 hrs
FIL 3804C  Film Theory and Criticism II  3 hrs
FIL 4661  The Film Producer  3 hrs
GEP  3 hrs
Minor  3 hrs

Senior Year - Fall
FIL 3826  American Cinema  3 hrs
FIL 3845  World Cinema Traditions  3 hrs
FIL XXXX - Elective  3 hrs
Minor  6 hrs

Senior Year - Spring
FIL 3051  Avant-Garde Cinema  3 hrs
FIL XXXX - Elective  3 hrs
Minor  6 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecas.ucf.edu/alc/academic_learning_compacts.htm

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

Film - World Cinema Track (B.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.ucf.edu
E-mail: film@mail.ucf.edu
Mr. Steve Schlow
Phone: 407-823-2845

Admission Requirements
- The Film-World Cinema track is a limited access program.
- Students must attain an overall minimum 2.5 GPA before applying.
- Students should apply to become Film majors only after completing all requirements for admission to the University.
- A portfolio and an interview are required for entry into the Film World Cinema track.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in courses within the major.
- A maximum of three credit hours on internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students should consult with a departmental advisor.
- All students are required to pay a fee for equipment insurance.
- Departmental residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)  (36 hrs)
   A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
- Prefer FIL 2030 History of Motion Pictures 3 hrs
- Prefer one course from 1.B.1 list 3 hrs
- Prefer one course from 1.B.1 or 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- 1 See Transfer Notes for possible substitutes
- Select 1:
  - Prefer MGF 1106 Finite Mathematics 3 hrs
  - CGS 1060C Introduction to Computer Science or STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- 1 (May substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions section for more information.
- 1 FIL 1007 Foundations of Story 3 hrs
- 1 FIL 2030 History of Motion Pictures GEP
- 1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (18 hrs)
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 1009 Cinematic Expression for Majors 3 hrs
- FIL 2107 Script Analysis 3 hrs
- FIL 2461 Cinematography I 3 hrs
- FIL 2480 Directing for Film I 3 hrs
- FIL 2552C Editing I 3 hrs

4. Core Requirements: Advanced Level (39 hrs)
- FIL 3036 Film History I 3 hrs
- FIL 3115 Short Script I 3 hrs
- FIL 3304C Documentary Vision 3 hrs
- FIL 3307 Docudrama 3 hrs
- FIL 3383C Film Documentary 3 hrs
- FIL 3427C Introduction to Film Production 3 hrs
- FIL 3534 Sound Design for Film I 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 4301C Documentary Workshop I 3 hrs
- FIL 4302C Documentary Workshop II 3 hrs
- FIL 4602 Film Business 3 hrs
- FIL 4647 Film Production Management 3 hrs

5. Restricted Electives (9 hrs)
- Select 3:
  - Additional courses may be acceptable. Consult your advisor.
  - FIL 3804C Film Theory and Criticism II or FIL 3847 Latin American Cinema or FIL 4681 The Film Producer or FIL 4808 Images and Text in Context or FIL 4844 Africana Cinema 3 hrs

6. Capstone Requirements (6 hrs)
- FIL 4434C Capstone I 3 hrs
- FIL 4573C Capstone II 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A student must maintain an overall average of “B” (3.0) or better in courses within the major.
- Department of Film requires a passing grade on an exit examination.
- Computer Competency met by one of the following:
  - CGS 1060C Introduction to Computer Science 3 hrs
  - FIL 2552C Editing I 3 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- None

Honors in Major
- None

Related Programs
- Art
- Digital Media
- English - Creative Writing
- Film
- Film - Cinema Studies Track
- Music
- Radio - Television
- Theatre

Certificates
- None

Related Minors
- African American Studies
- Asian Studies
- Digital Media
- English - Creative Writing
- Film - Cinema Studies
- International and Global Studies
- Latin American Area Studies
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for Common Program Prerequisites
  - FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and still must be taken.
  - FIL 1007 may use any introductory film writing course. However, FIL 2030 is a prerequisite for all major courses and must be taken.

Plan of Study
- None
Finance (B.S.B.A.)
College of Business Administration
Department of Finance, Business Administration I, Room: 409

Students seeking advising must go to BA 2 room 101.
http://web.bus.ucf.edu/academics/finance/
Phone: 407-823-3575

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

Admission Requirements
- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements
- Students who change their degree programs should adopt the most current catalog.
- Only grades “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Restricted Electives below) can count toward another major or minor degree program.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students majoring in finance must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - FIN 3403C Business Finance 4 hrs

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

A: Communication Foundations
- Suggested: ECO 2013 Principles of Macroeconomics or 3 hrs
- Suggested: ECO 2023 Principles of Microeconomics 3 hrs

Select 1:

B: Cultural & Historical Foundations (9 hrs)
- Suggested: MAC 1140 Pre-Calculus Algebra 3 hrs

Select 1:

C: Mathematical Foundations
- Required: CGS 2100C Computer Fundamentals for Business 3 hrs
- Required: MAC 1140 Pre-Calculus Algebra 3 hrs

Select 1:

D: Social Foundations (6 hrs)
- Suggested: PSY 2012 General Psychology or 3 hrs
- Suggested: SYG 2000 Introduction to Sociology 3 hrs

Select 1:

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions services section for more information.

AGC 2021 Principles of Financial Accounting 3 hrs
AGC 2071 Principles of Managerial Accounting 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - or MAC 2233 Concepts of Calculus and 3 hrs
  - or STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (32 hrs)

First or subsequent semester in the College of Business Administration:

BUL 3130 Legal and Ethical Environment of Business 4 hrs
ECO 3411 Quantitative Business Tools II 4 hrs
FIN 3403C Business Finance 4 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
ECO 3411 Quantitative Business Tools II 4 hrs
ISM 3011C Essentials of Management Information Systems 4 hrs
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester.

4. Core Requirements: Advanced Level (18 hrs)

FIN 3303 Financial Markets 3 hrs
FIN 3314 Intermediate Corporate Finance 3 hrs
FIN 3304 Investment Analysis 3 hrs
FIN 4453 Financial Models 3 hrs
FIN 4324 Commercial Bank Management or 3 hrs
FIN 4424 Advanced Topics in Financial Management or 3 hrs
FIN 4514 Portfolio Analysis and Management or 3 hrs
FIN 4533 Financial Derivatives or 3 hrs
FIN 4604 International Financial Management 3 hrs

Select 2:

5. Restricted Electives (6 hrs)

Select 2:

ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
ACG 3141 Intermediate Financial Accounting II or 3 hrs
ACG 3361 Cost Accounting I or 3 hrs
ECO 4412 Econometrics or 3 hrs
FIN 3461 Financial Statement Analysis or 3 hrs
FIN 4326 Commercial Bank Management I or 3 hrs
FIN 4424 Advanced Topics in Financial Management or 3 hrs
FIN 4514 Portfolio Analysis and Management or 3 hrs
FIN 4533 Financial Derivatives or 3 hrs
FIN 4604 International Financial Management or 3 hrs
1 FIN 4903H Honors Directed Reading I or 1 hr
FIN 4906 Directed Independent Study or 1 hr
FIN 4941 Finance Internship or 3 hrs
1 FIN 4970H Undergraduate Honors Thesis or 1 hr
GEB 4374 Interpersonal Negotiations and Transactions or 3 hrs
MAR 3391 Professional Selling or 3 hrs
REE 3043 Fundamentals of Real Estate or 3 hrs
REE 3343 Real Estate Law or 3 hrs
REE 4103 Real Estate Appraisal and Valuation or 3 hrs
REE 4203 Commercial Real Estate Finance or 3 hrs
UCF Degree Programs

Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**Transfer Notes**
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

**Acceptable Substitutes for Transfer Courses**
- None

**Advising Notes**
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**UCF Degree Programs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REE 4204</td>
<td>Residential Real Estate Finance or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4303</td>
<td>Real Estate Investment Analysis or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4732</td>
<td>Real Estate Development or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REE 4933</td>
<td>Advanced Topics in Real Estate or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TAX 4001</td>
<td>Taxation of Business Entities and</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu for details.

**6. Capstone Requirements**
- MAN 4720 Strategic Management (4 hrs)
- This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

**7. Foreign Language Requirements**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

**Graduation**
- None

**8. Electives**
- (variable)

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- None

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- Finance: Banking
- Finance: Corporate Finance
- Finance: Investments

**Related Minors**
- None

**Plan of Study**
- Must complete nine hours in a summer semester
- General electives as required to reach 120 semester hours.
- The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

**Freshman Year - Fall**
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs

**Freshman Year - Spring**
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs
- Elective 3 hrs

**Sophomore Year - Fall**
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs

**Sophomore Year - Spring**
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

**Junior Year - Fall**
- FIN 3403C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs

**Junior Year - Spring**
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- MAN 3025 Management of Organizations 4 hrs

**Senior Year - Fall**
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

**Undergraduate Catalog 2010-2011**

UNIVERSITY OF CENTRAL FLORIDA
### Degree Requirements

- Students should see an advisor prior to registering for classes.
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

- Students are advised to take the preferred courses.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td><em>(9 hrs)</em></td>
</tr>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong></td>
<td><em>(9 hrs)</em></td>
</tr>
<tr>
<td>Prefer AMH 1010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer PHI 1010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong></td>
<td><em>(6 hrs)</em></td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer STA 2144C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Suggested MGF 1107 Explorations in Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong></td>
<td><em>(6 hrs)</em></td>
</tr>
<tr>
<td>Prefer POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer PSY 2212 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong></td>
<td><em>(6 hrs)</em></td>
</tr>
<tr>
<td>Prefer PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer ANT 2511 The Human Species or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer BSC 1005 Biological Principles</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) *(9 hrs)*

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2058S Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

#### 3. Core Requirements: Basic Level *(6 hrs)*

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 2201 Intermediate French Language and Civilization II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level *(69 hrs)*

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4410 Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Safety Issues in Schools</td>
<td></td>
</tr>
<tr>
<td>1. EDG 4410 Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. EEX 4242 Teaching Exceptional Students in Secondary</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. RED 4043 Content Reading Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
<tr>
<td>4. TSL 4080 Theory and Practice of Teaching ESOL Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Students in Schools</td>
<td></td>
</tr>
</tbody>
</table>

1. Required prior to Internship I.
2. Community College transfer students must substitute EEX 2010 Introduction to Special Education.

#### Internship I *(3 hrs)*

- Program Internship I Prerequisites: EDG 4410, EDF 4467, FRE 4422, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C-” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.educa-tion.ucf.edu](http://www.clinicalexperiences.educa-tion.ucf.edu).

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 3940 Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Specialization Requirements *(33 hrs)*

<table>
<thead>
<tr>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. FLE 4314 Foreign Language Teaching in Elementary Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. FLE 4333 Foreign Language Teaching in the Secondary School</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3300 French Grammar</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3420 French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 3760 Advanced French Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2. FRE 4421 Advanced French Conversation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRE 4422 Advanced French Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3100 Survey of French Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FRW 3101 Survey of French Literature II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent)</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

1. Required prior to Internship I.
2. FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.
UCF Degree Programs

Other Cognate Requirements (Linguistics)  3 hrs
FRE 3780 French Phonetics and Diction  3 hrs

Internship II  12 hrs
■ At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
■ Passing score on the Subject Area Examination (French K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
■ Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
■ Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
FLE 4941 Internship  12 hrs

5. Restricted Electives  (0 hrs)
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
■ None

8. Electives
■ None

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Achieve a minimum 2.5 GPA in all courses within the major.
■ Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
■ Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ None

Certificates
■ None

Related Minors
■ None

Advising Notes
■ None

Transfer Notes
■ None

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ Recommended Four Year Sequence of Courses

Freshman Year - Fall  12 hrs
EDF 2005 Introduction to the Teaching Profession  3 hrs
ENC 1101 Composition I  3 hrs
MGF 1106 Finite Mathematics  3 hrs
PSY 2012 General Psychology  3 hrs

Freshman Year - Spring  12 hrs
EDF 2065 Introduction to Diversity for Educators  3 hrs
ENC 1102 Composition II  3 hrs
POS 2041 American National Government  3 hrs
PSC 1121 Physical Science  3 hrs

Freshman Year - Summer  3 hrs
EME 2040 Introduction to Technology for Educators  3 hrs

Sophomore Year - Fall  15 hrs
AMH 2010 U.S. History: 1492-1877  3 hrs
1 EDF 2130 Child and Adolescent Development for Educators  3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings  3 hrs
SPC 1608 Fundamentals of Oral Communication  3 hrs
Select 1:  3 hrs
STA 1060C Basic Statistics Using Microsoft Excel  3 hrs
STA 2014C Principles of Statistics  3 hrs

Sophomore Year - Spring  12 hrs
AMH 2020 U.S. History: 1877-Present  3 hrs
FRE 2201 Intermediate French Language and Civilization I  3 hrs
PHI 2010 Introduction to Philosophy  3 hrs
Select 1:  3 hrs
ANT 2511 The Human Species or BSC 1005 Biological Principles  3 hrs

Sophomore Year - Summer  3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Junior Year - Fall  15 hrs
EDF 4467 Learning Theory and Assessment  3 hrs
EDG 4410 Teaching Strategies and Classroom Management  3 hrs
FRE 3300 French Grammar  3 hrs
FRE 3420 French Composition  3 hrs
FRW 3100 Survey of French Literature I  3 hrs

Junior Year - Spring  15 hrs
FRE 3760 Advanced French Oral Communication  3 hrs
FRE 3780 French Phonetics and Diction  3 hrs
FRE 4422 Advanced French Composition  3 hrs
FRW 3101 Survey of French Literature II  3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12  3 hrs
Junior Year - Summer  
1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs  
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs  

1 This course may be taken in the Fall of the senior year with consent of instructor.

Senior Year - Fall  
FLE 3940 Internship 3 hrs  
FRE 4421 Advanced French Conversation 3 hrs  
Two upper division restricted electives (FRE/FRW 3/4XXX) 6 hrs

Senior Year - Spring  
PFE 4941 Internship 12 hrs

Program Academic Learning Compacts  
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Foreign Language Education - Spanish (B.S.)  
College of Education  
Department of Teaching and Learning Principles, Education Building, Room: 209  
http://www.education.ucf.edu/language  
E-mail: kverkler@mail.ucf.edu

Dr. Karen Venkler, ED 220L  
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430  
Phone: 407-823-5235

Admission Requirements  
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university  
- Have a minimum 2.5 overall GPA  
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).  
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.   
- Meet the Gordon Rule Requirement.  
- Meet the foreign language admission requirement.

Degree Requirements  
- Students should see an advisor prior to registering for classes  
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.  
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

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

- Students are advised to take the preferred courses.

A: Communication Foundations  
(9 hrs)  
Required ENC 1101 Composition I 3 hrs  
Required ENC 1102 Composition II 3 hrs  
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations  
(9 hrs)  
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs  
Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations  
(6 hrs)  
Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1:  
Preferred STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations  
(6 hrs)  
Preferred POS 2041 American National Government 3 hrs  
Preferred PSY 2102 General Psychology 3 hrs

E: Science Foundations  
(6 hrs)  
Preferred PSC 1121 Physical Science 3 hrs

Select 2:  
Preferred ANT 2511 The Human Species 3 hrs  
Preferred BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP)  
(9 hrs)  
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.  
EDF 2005 Introduction to the Teaching Profession 3 hrs  
1 EDF 2085 Introduction to Diversity for Educators 3 hrs  
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level  
(6 hrs)  
EDF 2130 Child and Adolescent Development for Educators 3 hrs  
SPN 2201 Intermediate Spanish Language and Civilization II 3 hrs

4. Core Requirements: Advanced Level  
(69 hrs)  
Education Core Requirements  
18 hrs  
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.  
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDF 4603 Learning Theory and Assessment of Ethical, Legal, and Safety Issues in Schools 3 hrs  
EDF 4667 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
EDG 4410 Teaching Strategies and Classroom Management 3 hrs  
EME 2040 Introduction to Technology for Educators 3 hrs

Select 1:  
Preferred STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

Internship I  
3 hrs  
- Program Internship I Prerequisites: EDG 4410, EDF 4467, FLE 4314, FLE 4333, and at least 50% of all required foreign language courses must be completed before doing Internship I with a minimum grade of “C-” or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.  
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

FLE 3940 Internship 3 hrs

UNIVERSITY OF CENTRAL FLORIDA  
203 Undergraduate Catalog 2010-2011
## UCF Degree Programs

### Specialization Requirements  
27 hrs  
1. FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs  
2. FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs  
3. SPN 3300 Advanced Spanish Grammar and Composition 3 hrs  
4. SPN 3344 Advanced Spanish Native Fluency I 3 hrs  
5. SPN 3345 Advanced Spanish Native Fluency II 3 hrs  
6. SPN 3420 Spanish Composition 3 hrs  
7. SPN 3760 Advanced Spanish Oral Communication 3 hrs  
8. SPW 3100 Survey of Spanish Literature I 3 hrs  
9. SPW 3101 Survey of Spanish Literature II 3 hrs  

### Upper Division Restricted Electives  
6 hrs  
- Community college transfer students may substitute lower division restricted electives.  
- Select two upper division Spanish courses (SPN 3/4XXX)  
- 6 hrs with advisor’s consent. The following courses are recommended:  
  1. SPN 4410 Advanced Spanish Conversation 3 hrs  
  2. SPN 4421 Advanced Spanish Composition 3 hrs  
  3. SPN 4510 Spanish Civilization and Culture 3 hrs  
  4. SPN 4520 Latin American Civilization and Culture 3 hrs  

### Other Cognate Requirements  
3 hrs  
- Select 1:  
  1. SPN 3852 Bilinguismo or 3 hrs  
  2. SPN 4800 Spanish-American Syntax or 3 hrs  
  3. SPN 4801 Spanish Morphosyntax 3 hrs  

### Internship II Block  
12 hrs  
- At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.  
- Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. Students must apply and be approved for Internship II.  
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.  
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.  
- FLE 4941 Internship 12 hrs  

### 5. Restricted Electives  
(0 hrs)  
- None

### 6. Capstone Electives  
- None

### 7. Foreign Language Requirements

#### Admissions  
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation  
- None

### 8. Electives  
- None

### 9. Additional Requirements  
- None

### 10. Required Minors  
- None

### 11. Departmental Exit Requirements  
- Achieve a minimum 2.5 GPA in all courses within the major.  
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.  
- Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required  
120

### Honors in Major  
- None

### Related Programs  
- None

### Certificates  
- None

### Related Minors  
- None

### Advising Notes  
- None

### Transfer Notes  
- None

### Acceptable Substitutes for Transfer Courses  
- None

### Plan of Study  
- Recommended Four Year Sequence of Courses

#### Freshman Year - Fall  
- EDF 2005 Introduction to the Teaching Profession 3 hrs  
- ENC 1101 Composition I 3 hrs  
- MGF 1106 Finite Mathematics 3 hrs  
- PSY 2012 General Psychology 3 hrs

#### Freshman Year - Spring  
- EDF 2085 Introduction to Diversity for Educators 3 hrs  
- ENC 1102 Composition II 3 hrs  
- POS 2041 American National Government 3 hrs  
- PSC 1211 Physical Science 3 hrs

#### Freshman Year - Summer  
- EME 2040 Introduction to Technology for Educators 3 hrs

#### Sophomore Year - Fall  
- AMH 2010 U.S. History; 1492-1877 3 hrs  
- EDF 2130 Child and Adolescent Development for Educators 3 hrs  
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs  
- SPC 1608 Fundamentals of Oral Communication 3 hrs  
- Select 1:  
  1. STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs  
  2. STA 2014C Principles of Statistics 3 hrs

#### Sophomore Year - Spring  
- AMH 2020 U.S. History; 1877-Present 3 hrs  
- PHI 2010 Introduction to Philosophy 3 hrs  
- SPN 3204 Advanced Directed Readings 3 hrs

### Notes  
- Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
### 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/)

**E-mail:** chemistry@ucf.edu

Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522

Phone: 407-823-2246

### Admission Requirements

- None

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### Degree Requirements

- Students who choose degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (39 hrs)

- **Note:** Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1603 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(7 hrs)</th>
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</thead>
<tbody>
<tr>
<td>Required BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(8 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required SPC 1603 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (16 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

<table>
<thead>
<tr>
<th>Core Science and Math Requirements</th>
<th>18 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required BSC 2010C Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>Required CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required CHM 2046 Organic Chemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required CHM 2046L Organic Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>Required MAC 2311 Calculus with Analytic Geometry I</td>
<td>GEP</td>
</tr>
<tr>
<td>Required MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>GEP</td>
</tr>
<tr>
<td>Required PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**NOTE:** These courses are considered to be equivalents:

- CHM 2045C Chemistry Fundamentals I | 4 hrs
- CHM 2041C Chemistry Fundamentals II | 3 hrs

#### 3. Core Requirements: Basic Level (18 hrs)

- **BSC 2010C Biology I** | GEP/PP
- **CHM 2210 Organic Chemistry I** | 3 hrs
- **CHM 2211 Organic Chemistry II** | 3 hrs
- **CHM 2211L Organic Laboratory Techniques I** | 2 hrs
- **CHM 3120L Analytical Chemistry Laboratory** | 1 hr
- **MAC 2311 Calculus with Analytic Geometry I** | GEP/PP
- **MAC 2312 Calculus with Analytic Geometry II** | CPP
- **PCB 3063 Genetics** | 3 hrs
- **PCB 3233 Immunology** | 3 hrs
- **PHY 2048C Physics for Engineers & Scientists I** | GEP/PP
- **PHY 2049C Physics for Engineers and Scientists II** | CPP
- **STA 2023 Statistical Methods I** | GEP
4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs
- CHS 3501 Introduction to Forensic Science 3 hrs
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 3533 Forensic Biochemistry I 2 hrs
- CHS 3595 Forensic Science in the Courtroom 3 hrs
- CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- CHS 4501 Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs
- CHM 3120L Organic Laboratory Techniques II 2 hrs
- CHS 4506C Forensic Investigation Technology 3 hrs
- CHS 4515C Forensic Crime Scene Investigation 4 hrs
- CHS 4574C Advanced Topics in Trace Analysis 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3233L Immunology Laboratory 1 hr

5. Restricted Electives (12 hrs)
Select 12 hours from the following:
- Note: Substitutions require prior approval by the department.
- ANT 4521C Forensic Anthropology 3 hrs
- BCH 4053 Biochemistry I 3 hrs
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 4912 Directed Independent Research 1 hr
- CHS 4506C Forensic Investigation Technology 3 hrs
- CHS 4515C Forensic Crime Scene Investigation 4 hrs
- CHS 4574C Advanced Topics in Trace Analysis 3 hrs
- PCB 3063L Genetics Laboratory 1 hr
- PCB 3233L Immunology Laboratory 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after consulting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- Computer Competency met by
  - CHS 3505C Forensic Microscopy 4 hrs
  - CHS 4537 Forensic Laboratory Quality Assurance 2 hrs
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAS must be completed.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors in Major
- None

Related Programs
- Chemistry
- Forensic Science - Biochemistry Track

Certificates
- None

Related Minors
- Chemistry

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math courses may satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring 15 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHS 3501 Introduction to Forensic Science 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall 16 hrs
- GEP 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- ENC 1102 Composition II 3 hrs

Junior Year - Fall 14 hrs
- Free Elective 1 hr
- CHM 3120 Analytical Chemistry 3 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr
- CHS 3505C Forensic Microscopy 4 hrs
- CHS 3537 Forensic Laboratory Quality Assurance 2 hrs
- PCB 3063 Genetics 3 hrs
Junior Year - Spring 14 hrs
GEP 3 hrs
Restricted Elective 3 hrs
CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
CHM 4130L Advanced Analytical Chemistry Laboratory 2 hrs
CHS 3905 Forensic Science in the Courtroom 3 hrs

Senior Year - Fall 16 hrs
GEP 3 hrs
Free Elective 1 hr
Free Elective 1 hr
CHM 3422 Applied Physical Chemistry 3 hrs
CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
CHS 3533 Forensic Biochemistry I 2 hrs
PCB 3233 Immunology 3 hrs

Senior Year - Spring 16 hrs
GEP 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs
CHS 3511C Trace Evidence 4 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.o2as.ucf.edu/alic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Forensic Science - Biochemistry Track (B.S.)
College of Sciences
Department of Chemistry, Chemistry, Room: 306A
http://chemistry.cos.ucf.edu/
E-mail: chemistry@ucf.edu
Dr. G. Mattson, mattson@mail.ucf.edu, 407-823-1522
Phone: 407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (39 hrs)
- Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36.

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
E: Science Foundations (8 hrs)
Required BSC 2010C Biology I 4 hrs
Required PHY 2048C 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.

3. Core Requirements: Basic Level (20 hrs)

Core Science and Mathematics Requirements
BSC 2010C Biology I 4 hrs
CHM 2210 Organic Chemistry I 3 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I 4 hrs
MAC 2311L Calculus with Analytic Geometry I Laboratory 1 hr
PHY 2048C Physics for Engineers & Scientists I 4 hrs
PHY 2048CL Physics for Engineers & Scientists I 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
BCH 4103L Biochemical Methods 2 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
CHS 3530C Forensic Biochemistry I Laboratory 1 hr
CHS 4534C Forensic Biochemistry II 3 hrs
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.

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 used to satisfy categories 2, 3, 4, and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - CHS 3505C: Forensic Microscopy 4 hrs
  - CHS 4537: Forensic Laboratory Quality Assurance 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors In Major
- None

Related Programs
- Chemistry
- Forensic Science - Analysis Track
- Molecular Biology and Microbiology

Certificates
- None

Related Minors
- Chemistry
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- CHM 2045C: may use CHM X040 plus CHM X041.
- Calculus: Although other math classes satisfy the CPP, the specified courses are required in the major and still must be taken.
- Physics: Although CPP requirements permit substitution by Organic Chemistry, all the specified courses are required for graduation and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Before registering for Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Before registering for Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- BSC 2010C: Biology I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- ENC 1101: Composition I 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs

Freshman Year - Spring
- CHM 2046: Chemistry Fundamentals Laboratory 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- CHS 3501: Introduction to Forensic Science 3 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Fall
- GEP
- CHM 2210: Organic Chemistry I 3 hrs
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- STA 2023: Statistical Methods I 3 hrs

Sophomore Year - Spring
- GEP
- CHM 2211: Organic Chemistry II 3 hrs
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- MCB 3020C: General Microbiology 5 hrs

Junior Year - Fall
- Restricted Elective 3 hrs
- Free Elective 1 hr
- CHS 3505C: Forensic Microscopy 4 hrs
- CHS 4537: Forensic Laboratory Quality Assurance 2 hrs
- PCB 3063: Genetics 3 hrs
- PCB 3063L: Genetics Laboratory 1 hr

Junior Year - Spring
- GEP
- CHM 3120: Analytical Chemistry 3 hrs
- CHM 3120L: Analytical Chemistry Laboratory 1 hr
- CHS 3595: Forensic Science in the Courtroom 3 hrs
- ENC 1102: Composition II 3 hrs

Senior Year - Fall
- BCH 4053: Forensic Science 1 3 hrs
- CHS 3533: Forensic Biochemistry I 2 hrs
- CHS 3533L: Forensic Biochemistry I Laboratory 1 hr
- PCB 3233: Immunology Laboratory 3 hrs
- PCB 3233: Immunology Laboratory 1 hr
- PCB 3222: Molecular Biology I 3 hrs
- PCB 4524: Molecular Biology II 3 hrs

Senior Year - Spring
- GEP
- BCH 4054: Biochemistry II 3 hrs
- BCH 4103L: Biochemical Methods 2 hrs
- BSC 3403C: Quantitative Biological Methods 4 hrs
- CHS 4534C: Forensic Biochemistry II 3 hrs

Senior Year - Summer
- CHS 4591: Forensic Science Internship 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oetas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
French (B.A.)
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mlc.cah.ucf.edu/
Dr. Paul Giordano
Phone: 407-823-2472

Placement in Modern Language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school French may place the student in the first semester of the third year. Native speakers, or students who have received advanced education in French-speaking societies, may not take lower division French courses. They must also substitute other upper division level courses for FRE 3420, FRE 4422, FRE 3760, and FRE 4421.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- 36 credits in French must be taken at the 3000 level or above.
- At least six of the 36 French credits must be at the 4000 level.
- At least 30 hours must be taken in Modern Language courses taught in French.
- Earn at least a "C" (2.0) in each upper division French course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (Gen Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
1 Required: MGF 1106 Finite Mathematics 3 hrs
2 Preferred: STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (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 (0 hrs)
- None

4. Core Requirements: Advanced Level (21 hrs)

Select 1:
1 FRE 3420 French Composition or
FRE 4422 Advanced French Composition 3 hrs

Select 2:
1 FRE 3760 Advanced French Oral Communication or
FRE 4421 Advanced French Conversation 3 hrs

FRW 3770 Francophone Literature 3 hrs

5. Restricted Electives (15 hrs)
- French literature beyond the survey level (taught in French) 6 hrs
- French courses 9 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirements.

Graduation
- Met by Common Program Prerequisites

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or higher in at least 36 hours of upper division French courses
- Students are required to satisfactorily complete a departmental exit exam
- Students must submit their portfolio to their French Faculty Advisor
- Computer Competency met by the following, or equivalent: CSE 1060C Introduction to Computer Science 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Modern Language Combination
- Spanish
UCF Degree Programs

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
E-mail: uss@bus.ucf.edu
Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College.
- See Common Program Prerequisites

Degree Requirements
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transferred into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Students wanting to major in General Business must apply for admission to the major.
- Final exams will be given during Exam Week.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must have at least a 2.0 GPA in the major and COB.
- Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied towards the major, and a 2.0 overall average in the major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required CGS 2100C Computer Fundamentals for Business 3 hrs
   Required MAC 1140 Pre-Calculus Algebra 3 hrs
   D: Social Foundations (6 hrs)
   Select 1: ECO 2013 Principles of Microeconomics or 3 hrs
   Select 2: 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
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 2013 Principles of Microeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:
- Students must receive a "C" (2.0) in both MAC 2233 and STA 2023 to be waived from ECO 3401.
- ECO 3401 Quantitative Business Tools I 3 hrs
- or MAC 2233 Concepts of Calculus and 3 hrs
- STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (32 hrs)

Core Classes 32 hrs
First or subsequent semester in the College of Business Administration:
   BUL 3130 Legal and Ethical Environment of Business and 4 hrs
   ECO 3411 Quantitative Business Tools I and 4 hrs
   FIN 3403C Business Finance and 4 hrs
   GEB 3031 Cornerstone: Professional Skills for Business and 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business and 1 hr
   GEB 3375 Introduction to International Business and 4 hrs
   ISM 3011C Essentials of Management Information Systems and 4 hrs
   MAN 3025 Management of Organizations and 4 hrs
   MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester.

Second Level Core 15 hrs
- Students must take one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, Management Information Systems, and Marketing.
- These five courses are restricted to the courses listed below.

Finance 3 hrs
   FIN 3303 Financial Markets or 3 hrs
   FIN 3414 Intermediate Corporate Finance or 3 hrs
   FIN 3504 Investment Analysis 3 hrs


Management
GEB 3113 How to Start a Business or
MAN 3301 Management of Human Resources or
MAN 4240 Organizations: Theory and Behavior or
MAN 4441 Conflict Resolution and Negotiation 3 hrs

Management Information Systems
ISM 3253 MIS Techniques or
ISM 4153C Enterprise Information Systems or
ISM 4154 Enterprise Application Development 3 hrs

Marketing
MAR 3403 Sales Force Management or
MAR 3613 Marketing Analysis and Research or
MAR 4156 International Marketing or
MAR 4841 Services Marketing 3 hrs

Economics
ECP 4703 is required. The other two courses are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have written approval.
ECO 3223 Money and Banking and 3 hrs
ECP 3203 Labor Economics and 3 hrs
ECP 4703 Managerial Economics 3 hrs

5. Restricted Electives
   Restricted electives are to be taken from two different departments and from the courses listed above, at least two of the restricted electives must be at the 4000 level.

6. Capstone Requirements
   MAN 4720 Strategic Management 4 hrs
   This course should be taken in the graduating term and requires the following prerequisites:
   FIN 3403C Business Finance 4 hrs
   GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements

Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
None

8. Electives
General electives as required to reach 120 semester hours.

9. Additional Requirements
Students desiring to complete the General Business major as a second major within the College of Business Administration must complete 24 hours in the second major beyond the courses required for the General Business major.

10. Required Minors
None

11. Departmental Exit Requirements
None

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120
UCF Degree Programs

Junior Year - Fall
- BUL 3130  Legal and Ethical Environment of Business  4 hrs
- GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
- ISM 3011C  Essentials of Management Information Systems  4 hrs
- MAN 3025  Management of Organizations  4 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business  1 hr

Junior Year - Spring
- ECO 3411  Quantitative Business Tools II  4 hrs
- FIN 3403C  Business Finance  4 hrs
- MAR 3023  Marketing  4 hrs

Senior Year - Fall
- 1 GEB 3375  Introduction to International Business  4 hrs
- ECP 4703  Managerial Economics  3 hrs
- MAN 4720  Strategic Management  4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

General Business - A.S. to B.S. Track (B.S.B.A.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Health Informatics and Information Management (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
http://www.cooha.ucf.edu/hmi/bshim.cfm
Ms. Alice M. Noblin, anoblin@mail.ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring.
- Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1 **Students take 3 restrictive electives from approved list described above***General electives as required to reach 120 semester hours.

Senior Year - Spring
- 13 hrs
- ECP 4703  Managerial Economics  3 hrs
- MAN 4720  Strategic Management  4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

General Business - A.S. to B.S. Track (B.S.B.A.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Health Informatics and Information Management (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
http://www.cooha.ucf.edu/hmi/bshim.cfm
Ms. Alice M. Noblin, anoblin@mail.ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring.
- Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1 **Students take 3 restrictive electives from approved list described above***General electives as required to reach 120 semester hours.

Senior Year - Fall
- 16 hrs
- 1 GEB 3375  Introduction to International Business  4 hrs
- ECP 4703  Managerial Economics  3 hrs
- MAN 4720  Strategic Management  4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

General Business - A.S. to B.S. Track (B.S.B.A.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Health Informatics and Information Management (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
http://www.cooha.ucf.edu/hmi/bshim.cfm
Ms. Alice M. Noblin, anoblin@mail.ucf.edu
Phone: 407-823-2353

Admission Requirements
- Separate application to the limited access program must be made directly to the program prior to March 1 for fall admission of the year admission is sought or October 1 for the following year spring admission.
- UCF application must also be submitted by the program deadline of March 1st for fall and October 1st for spring.
- Acceptance to UCF is necessary before acceptance to the program can occur.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- All applicants must have a minimum overall GPA of 2.5 and complete all program prerequisite courses with at least a grade of “C” (2.0)
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management program.

Degree Requirements
- Students who are pending Health Informatics and Information Management and are admitted to the program must adopt the most current catalog
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisites Requirements before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should be completed in the first 60 hours
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1 **Students take 3 restrictive electives from approved list described above***General electives as required to reach 120 semester hours.
6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum 2.5 overall GPA is required for graduation.
    - Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Business Administration
- Computer Science
- Health Services Administration

Certificates
- None

Related Minors
- Business
- Computer Science
- Health Services Administration

Advising Notes
- None

Transfer Notes
- Community College Equivalents:
  - Human Anatomy & Physiology I & II (BSC X085 and X086)
  - Financial Accounting (ACG 2021)
  - Managerial Accounting (ACG 2071)
  - Statistics (STA 2014C or any other statistics course)
  - Computer Science for Business (CGS 2100C)

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

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<th>Freshman Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>CHM 1032 General Chemistry</td>
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<tr>
<td>ENC 1101 Composition I</td>
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<tr>
<td>HSC 2000 Introduction to the Allied Health Professions</td>
<td>2 hrs</td>
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<tr>
<td>MAC 1105 College Algebra</td>
<td>3 hrs</td>
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Select 1: | 3 hrs |
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<td>ANT 2000 General Anthropology or</td>
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<tr>
<td>PSY 2012 General Psychology or</td>
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<td>SYG 2000 Introduction to Sociology</td>
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Freshman Year - Spring | 16 hrs |
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<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
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<td>STA 2014C Principles of Statistics</td>
<td>3 hrs</td>
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Select 1: | 3 hrs |
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<tbody>
<tr>
<td>AMH 2010 U.S. History: 1492-1877 or</td>
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<td>EUH 2000 Western Civilization I or</td>
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</tr>
<tr>
<td>HUM 2210 Humanistic Tradition I</td>
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</tr>
</tbody>
</table>

Select 1: | 3 hrs |
<table>
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<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics or</td>
<td></td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td></td>
</tr>
</tbody>
</table>

Sophomore Year - Fall | 13 hrs |
<table>
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<tr>
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<tbody>
<tr>
<td>ACG 2021 Principles of Financial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGS 2100C Computer Fundamentals for Business</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3733C Human Anatomy</td>
<td>4 hrs</td>
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Select 1: | 3 hrs |
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<tbody>
<tr>
<td>AMH 2020 U.S. History: 1877-Present or</td>
<td></td>
</tr>
<tr>
<td>EUH 2001 Western Civilization II or</td>
<td></td>
</tr>
<tr>
<td>HUM 2230 Humanistic Tradition II</td>
<td></td>
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</tbody>
</table>

Sophomore Year - Spring | 13 hrs |
<table>
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<tr>
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<tbody>
<tr>
<td>ACG 2071 Principles of Managerial Accounting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: | 3 hrs |
<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>ARH 2050 History of Western Art I or</td>
<td></td>
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<tr>
<td>ARH 2051 History of Western Art II or</td>
<td></td>
</tr>
<tr>
<td>LIT 2110 World Literature I or</td>
<td></td>
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<tr>
<td>LIT 2120 World Literature II or</td>
<td></td>
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<tr>
<td>MUL 2010 Enjoyment of Music or</td>
<td></td>
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<tr>
<td>PHI 2010 Introduction to Philosophy or</td>
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<tr>
<td>REL 2300 World Religions or</td>
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<tr>
<td>THE 2000 Theatre Survey</td>
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</tbody>
</table>

Junior Year - Fall | 15 hrs |
<table>
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<tr>
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<tbody>
<tr>
<td>HIM 3006 Foundations of Health Information Management (HIM)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>¹ HA 4191 Health Care Automation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>¹ HSC 3537 Medical Terminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>¹ HSC 4555 Pathophysiologic Mechanisms</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: | 3 hrs |
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</thead>
<tbody>
<tr>
<td>HSA 4180 Organization &amp; Management for Health Agencies I or</td>
<td></td>
</tr>
<tr>
<td>¹ MAN 3025 Management of Organizations</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

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 | 15 hrs |
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>HIM 3116C Health Record Organization and Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HIM 3806C Professional Practice Experience I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4226C Coding Procedures I</td>
<td>5 hrs</td>
</tr>
<tr>
<td>HSC 3147 Introduction to Pharmacology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Junior Year - Summer | 6 hrs |
<table>
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<tr>
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</thead>
<tbody>
<tr>
<td>HSA 4109 Principles of Managed Care</td>
<td>3 hrs</td>
</tr>
<tr>
<td>¹ HSC 4652 Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

¹ The asterisked courses may be taken at any time during the two years. Certain HIIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Fall | 13 hrs |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>HIM 4256C Coding Procedures II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4344C Health Information Department Management</td>
<td>4 hrs</td>
</tr>
<tr>
<td>HIM 4508C Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4656C Health Information Management Systems</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Senior Year - Spring

HIM 4676  Professional Development and Issues in Health Information Management  3 hrs
HIM 4816C  Professional Practice Experience II  3 hrs
1 HSA 3170  Health Care Finance  3 hrs
1 HSA 4702  Health Sciences Research Methods  3 hrs

1 The asterisked courses may be taken at any time during the two years. Certain HIM courses are offered only during the semester in which they appear on this schedule and are restricted to majors only.

Senior Year - Summer

HIM 4838  Management Affiliation  5 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15.00 per term
- Full-Time Student: $30.00 per term

Health Sciences - Pre-Clinical Track (B.S.)

College of Health and Public Affairs

Department of Health Professions, Health and Public Affairs II, Room: 203

http://www.coehpa.ucf.edu/health.pro/hsgbs.cfm

TBD

Phone: 407-823-2214

The Health Sciences-Pre-Clinical Track is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant. Students in this program must be planning to attend graduate school after graduation. Students with this preparation could also pursue graduate programs in occupational therapy, and physician assistant. Students in this program must adopt the most current catalog.

Admission Requirements
- None

Degree Requirements
- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- Students should complete the General Education Program and the Program Prerequisites requirements before transferring within the Florida Public University/Community College System.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- Students must earn at least a ”C” (2.0) in each course accepted as a Program Prerequisite and Core Requirement (see sections 2, 3 and 4 below)
- No transfer course will be accepted with a grade lower than a ”C.”
- Students should have access to a personal computer, modem, and software in order to interact with the instructional faculty.
- Courses in math, biology, chemistry and physics listed are the minimum levels. Students with adequate preparation are encouraged to enroll in higher course levels in the discipline.
- Students should consult with a college advisor each semester.

1. UCF General Education Program (GEP)  (38 hrs)

A: Communication Foundations  (9 hrs)
  Suggested  SPC 1608  Fundamentals of Oral Communication  3 hrs

B: Cultural & Historical Foundations  (9 hrs)
  Select 1:
  Required  MUL 2100  Introduction to World Cultures  3 hrs
  Required  PHI 2010  Introduction to Philosophy or
  Required  REL 2300  World Religions or
  Required  THE 2000  Theatre Survey  3 hrs

C: Mathematical Foundations  (6 hrs)
  Required  MAC 1105  College Algebra  3 hrs
  Select 1:
  Required  STA 2014C  Principles of Statistics or
  Required  STA 2023  Statistical Methods I or

D: Social Foundations  (6 hrs)
  Required  PSY 2100  General Psychology  3 hrs
  Select 1:
  Required  ECO 2013  Principles of Macroeconomics or
  Required  ECO 2023  Principles of Microeconomics  3 hrs

E: Science Foundations  (8 hrs)
  Required  BSC 2010C  Biology I  4 hrs
  Required  PHY 2053C  College Physics I  4 hrs
  Select 1:
  Required  STA 2014C  Principles of Statistics or
  Required  STA 2023  Statistical Methods I or

2. Common Program Prerequisites (CPP)  (0 hrs)
  BSC 2010C  Biology I  GEP
  MAC 1114  College Trigonometry  3 hrs
  PSY 2100  General Psychology  GEP
  Select 1:
  Required  STA 2014C  Principles of Statistics or
  Required  STA 2023  Statistical Methods I or

3. Core Requirements: Basic Level  (32 hrs)
  CHM 2046  Chemistry Fundamentals II  4 hrs
  CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
  HSA 3111  U.S. Health Care Systems  3 hrs
  HSA 4702  Modern Concepts in Nutrition  3 hrs
  HSC 3147  Introduction to Pharmacology  3 hrs
  HSC 3170  Health Care Finance  3 hrs
  HIM 4508C  Quality Management  3 hrs
  PHY 2053C  College Physics I  4 hrs
  PHY 2054C  College Physics II  4 hrs
  Select 1:
  Required  CGS 2100C  Computer Fundamentals for Business  3 hrs
  Required  ECO 2100C  Introduction to Economics or
  Required  STA 2014C  Principles of Statistics or

4. Core Requirements: Advanced Level  (29 hrs)

Basic and Health Sciences  (14 hrs)
  HSC 3147  Introduction to Pharmacology  3 hrs
  HSC 4555  Pathophysiologic Mechanisms  3 hrs
  PCB 3703C  Human Physiology  4 hrs
  ZOO 3733C  Human Anatomy  4 hrs

Health Services  (15 hrs)
  HIM 4508C  Quality Management  3 hrs
  HSA 3111  U.S. Health Care Systems  3 hrs
  HSA 4702  Health Sciences Research Methods  3 hrs
  HSC 4500  Epidemiology  3 hrs
  HSC 4652  Health Law and Ethics  3 hrs

5. Restricted Electives  (21 hrs)

A minimum of 7 courses from the list below:
- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of science classes.
  BCH 4053  Biochemistry I  3 hrs
  HSA 3430  Health Care Economics  3 hrs
  HSA 4180  Organization & Management for Health Agencies I  3 hrs
  HSC 3110  Medical Self Assessment  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
HSC 3211 Preventive Health Care 3 hrs
HSC 3537 Medical Terminology 3 hrs
HSC 3593 HIV Disease: A Human Concern 3 hrs
HSC 4158 Medical Pharmacology I 3 hrs
HSC 4159 Medical Pharmacology II 2 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
MCB 3020C General Microbiology 5 hrs
MCB 3203 Pathogenic Microbiology 3 hrs
MCB 3203L Pathogenic Microbiology 1 hr
MCB 4603C Virology 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3063L Genetics Laboratory 1 hr
PCB 3233 Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 4805 Endocrinology 3 hrs
PET 3620 Principles of Athletic Training 3 hrs
PET 3633C Clinical Skills for Athletic Trainers I 2 hrs
PET 3649C Clinical Skills for Athletic Training II 2 hrs
PET 4606 Applied Fitness in Sport 3 hrs
ZOO 3744 Neurobiology 3 hrs
ZOO 4605 Human Clinical Embryology and Congenital Malformation 3 hrs
ZOO 4704C Clinical Neuroanatomy and Neuroscience 4 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose courses that are pre-requisites for specific graduate clinical programs of interest.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective (see sections 3 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division courses from the Health Sciences Pre-Clinical major to obtain the UCF degree in Health Sciences-Pre-Clinical Track.
- Students are required to have a personal interview after filling Intent to Graduate form online.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with a faculty advisor

Related Programs
- The participating student may also consider applying for consideration to one or more of the following undergraduate professional degree options:
  - Health Informatics and Information Management
  - Health Services Administration
  - This program is a preparatory program for graduate level clinical disciplines for the student who wishes to seek admission to graduate level clinical programs in physical therapy, occupational therapy, and physician assistant.
  - Students should consult a pre-professional advisor before making application to a graduate program.

Certificates
- None

Related Minors
- Biology
- Chemistry
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Students who begin a two-semester sequence course (e.g. General Chemistry) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Organic Chemistry I (CHM 2210) and Organic Chemistry II (CHM 2211) with labs at a Florida community college in order to meet the University’s requirement for Intro to Organic and Biochemistry (CHM 2205).
- Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall 15 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
ENC 1101 Composition I 3 hrs
1 HSC 2000 Introduction to the Allied Health Professions 2 hrs
MAC 1105 College Algebra 3 hrs

Select 1: 3 hrs
CGS 1060C Introduction to Computer Science or 3 hrs
CGS 2100C Computer Fundamentals for Business 3 hrs

Freshman Year - Spring 14 hrs
BSC 2010C Biology I 4 hrs
ENC 1102 Composition II 3 hrs
PSY 2012 General Psychology 3 hrs

Take all of the following: 4 hrs
CHM 2046 Chemistry Fundamentals II and 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr

Freshman Year - Summer 3 hrs
MAC 1114 College Trigonometry 3 hrs

1 SLS 2311C (2hrs) is recommended for preprofessional students as a substitution in Spring term.
Sophomore Year - Fall 16 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
PHY 2053C College Physics I 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
AMH 2010 U.S. History: 1492-1877 or
EUH 2000 Western Civilization I or
HUM 2210 Humanistic Tradition I or
Select 1: 3 hrs
STA 2014C Principles of Statistics or
STA 2023 Statistical Methods I
Sophomore Year - Spring 17 hrs
MCH 2004C Microbiology for Health Professionals 4 hrs
PHY 2054C College Physics II 4 hrs
Select 1: 3 hrs
MUL 2010 Enjoyment of Music or
PHI 2010 Introduction to Philosophy or
REL 2000 Theatre Survey
Sophomore Year - Summer
If not satisfied in high school:
Foreign Language 4 hrs
Select 1: 4 hrs
Foreign Language
Junior Year - Fall 16 hrs
Restricted Elective 3 hrs
DEP 2004 Developmental Psychology 3 hrs
HSA 3111 U.S. Health Care Systems 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
ZOO 3733C Human Anatomy 4 hrs
Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
CHM 2205 Introduction to Organic and Biochemistry 5 hrs
HSC 4652 Health Law and Ethics 3 hrs
PCB 3703C Human Physiology 4 hrs
Senior Year - Fall 15 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
HSC 4555 Pathophysiologic Mechanisms 3 hrs
Senior Year - Spring 12 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
HIM 4508C Quality Management 3 hrs
HSC 4500 Epidemiology 3 hrs
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Health Services Administration (B.S.)
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210
http://www.cohpa.ucf.edu/hmi/
E-mail: hsainfo@mail.ucf.edu
Dr. Kendall Corteleyou-Ward, Undergraduate Program Director
Dr. Myron Fottler, Exec. Director of HSA Programs
Phone: 407-823-2359

This program is currently available online and in the classroom. Students who choose to take online courses are urged to complete either CGS 2100C or CGS 1060C prior to enrolling in online-based courses. After enrolling in online courses, students should visit http://learn.ucf.edu. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are rarely online. Prerequisite courses are rarely offered online. For more information, see http://distrib.ucf.edu/home.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System
- Students should consult with a departmental advisor prior to first semester of enrollment.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- UCF Residency Requirement: 30 hours
- HSA Residency Requirement: Students must complete at least 45 credit hours of the core requirements at UCF in the department of Health Management and Informatics.

1. UCF General Education Program (GEP) 36 hrs
A: Communication Foundations 9 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations 9 hrs
C: Mathematical Foundations 6 hrs
Suggested MAC 1105 College Algebra 3 hrs
Select 1: 3 hrs
Suggested CGS 2100C Introduction to Computer Science or
Suggested CGS 2100C Computer Fundamentals for Business 3 hrs
D: Social Foundations 6 hrs
Suggested ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
E: Science Foundations 6 hrs

2. Common Program Prerequisites (CPP) 9 hrs
- Students must earn a “C” (2.0) or better in each Common Program Prerequisite
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
ACG 2021 Principles of Financial Accounting 3 hrs
ACG 2071 Principles of Managerial Accounting 3 hrs
ECO 2023 Principles of Microeconomics GEP
STA 2023 Statistical Methods I 3 hrs
Select 1: 0 hr
CGS 1060C Introduction to Computer Science or
CGS 2100C Computer Fundamentals for Business GEP
<table>
<thead>
<tr>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Core Requirements: Basic Level (0 hrs)</td>
<td>None</td>
</tr>
<tr>
<td>4. Core Requirements: Advanced Level (48 hrs)</td>
<td>Students must earn a &quot;C&quot; (2.0) or better in each Core Requirement</td>
</tr>
<tr>
<td></td>
<td>HIM 4508C Quality Management 3 hrs</td>
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<tr>
<td></td>
<td>HSA 3111 U.S. Health Care Systems 3 hrs</td>
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<td></td>
<td>HSA 3170 Health Care Finance 3 hrs</td>
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<td></td>
<td>HSA 3222 Long Term Care and Administration 3 hrs</td>
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<tr>
<td></td>
<td>HSA 3430 Health Care Economics 3 hrs</td>
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<td></td>
<td>HSA 4109 Principles of Managed Care 3 hrs</td>
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<td>HSA 4180 Organization &amp; Management for Health Agencies I 3 hrs</td>
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<td>HSA 4184 Organization &amp; Management for Health Agencies II 3 hrs</td>
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<td>HSA 4191 Health Care Automation 3 hrs</td>
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<td>HSA 4702 Health Sciences Research Methods 3 hrs</td>
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<td>HSA 4941 Internship 3 hrs</td>
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<td>HSC 3537 Medical Terminology 3 hrs</td>
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<td>HSC 4201 Community Health 3 hrs</td>
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<td>HSC 4500 Epidemiology 3 hrs</td>
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<td>HSC 4564 Health Care Needs of the Elderly 3 hrs</td>
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<tr>
<td></td>
<td>HSC 4652 Health Law and Ethics 3 hrs</td>
</tr>
<tr>
<td>5. Restricted Electives (0 hrs)</td>
<td>None</td>
</tr>
<tr>
<td>6. Capstone Requirements (3 hrs)</td>
<td>HSA 4939 Health Services Administration Capstone 3 hrs</td>
</tr>
<tr>
<td>7. Foreign Language Requirements</td>
<td>None</td>
</tr>
<tr>
<td>Admissions</td>
<td>Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.</td>
</tr>
<tr>
<td>Graduation</td>
<td>Students who transfer with an AA degree from a Florida public community college and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.</td>
</tr>
<tr>
<td>8. Electives</td>
<td>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.</td>
</tr>
<tr>
<td>9. Additional Requirements</td>
<td>None</td>
</tr>
<tr>
<td>10. Required Minors</td>
<td>None</td>
</tr>
<tr>
<td>11. Departmental Exit Requirements</td>
<td>Students must earn a &quot;C&quot; (2.0) or better in each Health Services Administration course.</td>
</tr>
<tr>
<td>12. University Minimum Exit Requirements</td>
<td>A 2.0 UCF GPA</td>
</tr>
<tr>
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<td>60 semester hours earned after CLEP awarded</td>
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<tr>
<td></td>
<td>48 semester hours of upper division credit completed</td>
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<tr>
<td></td>
<td>30 of the last 39 hours of course work must be completed in residency at UCF</td>
</tr>
<tr>
<td></td>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.</td>
</tr>
<tr>
<td></td>
<td>Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
</tr>
<tr>
<td>Honors In Major</td>
<td>Interested students should consult with a faculty advisor.</td>
</tr>
</tbody>
</table>

### Related Programs
- Health Informatics and Information Management
- Public Administration

### Admissions Notes
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of internship opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall (14 hrs)
- Free Elective 3 hrs
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105 College Algebra 3 hrs
- Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

#### Freshman Year - Spring (12 hrs)
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Select 1: 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey 3 hrs

#### Sophomore Year - Fall (15 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Select 1: 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EHU 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

#### Sophomore Year - Spring (12 hrs)
- Elective / Minor 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Select 1: 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EHU 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs
UCF Degree Programs

<table>
<thead>
<tr>
<th>Sophomore Year - Summer</th>
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<tr>
<td><strong>Select 1:</strong> Elective / Minor</td>
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<td><strong>Select 1:</strong> Foreign Language</td>
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<tr>
<td>Elective / Minor</td>
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<tr>
<td>HSA 3111 U.S. Health Care Systems</td>
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<td>HSA 4191 Health Care Automation</td>
<td>3 hrs</td>
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<td>HSC 3537 Medical Terminology</td>
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<td>HSC 4201 Community Health</td>
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<td>HSA 3170 Health Care Finance</td>
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<td>HSA 3222 Long Term Care and Administration</td>
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<tr>
<td>HSA 4180 Organization &amp; Management for Health Agencies</td>
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<td>HSC 4500 Epidemiology</td>
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<tr>
<td>HIM 4508C Quality Management</td>
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<td>HSA 3430 Health Care Economics</td>
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<td>HSA 4184 Organization &amp; Management for Health Agencies</td>
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<td>HSA 4702 Health Sciences Research Methods</td>
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<tr>
<td>HSA 4109 Principles of Managed Care</td>
<td>3 hrs</td>
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<tr>
<td>HSA 4939 Health Services Administration Capstone</td>
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<tr>
<td>HSA 4941 Internship</td>
<td>1 hr</td>
</tr>
<tr>
<td>HSC 4564 Health Care Needs of the Elderly</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4562 Health Law and Ethics</td>
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Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

History (B.A.)

Colleges of Arts and Humanities
Department of History, Colburn Hall, Room: 551
[http://www.history.cah.ucf.edu/](http://www.history.cah.ucf.edu/)

**E-mail:** history@mail.ucf.edu

Dr. Rosalind J. Beiler
Phone: 407-823-2225

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- Students must complete 36 hours in history.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - AMH 2010 U.S. History: 1492-1877 3 hrs
   - AMH 2020 U.S. History: 1877-Present 3 hrs

3. Core Requirements: Basic Level (6 hrs)
   - Select one of the following sequences of courses:
     - Select one sequence
       - EUH 2000 Western Civilization I and 3 hrs
       - EUH 2001 Western Civilization II 3 hrs
     - or
       - WOH 2012 World Civilization I and 3 hrs
       - WOH 2022 World Civilization II 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - HIS 4150 History and Historians 3 hrs

5. Restricted Electives (21 hrs)
   - (Must be taken within the History Department)
   - Select six hours of approved history courses within three of 4 geographic regions
     - Asian, African, and Middle Eastern 6 hrs
     - British and European 6 hrs
     - Latin American 6 hrs
     - U.S. and Canadian 6 hrs
   - Select three hours of approved history courses

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Met by graduation requirement
   - Graduation
     - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 2.0 in upper division required courses attempted.
    - Submit a portfolio during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
Computer competency met by completion of the major.

Students must complete at least 18 of the required 36
History credit hours at UCF.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Humanities

Certificates

- None

Related Minors

- African American Studies
- American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
- Women’s Studies

Advising Notes

- None

Transfer Notes

- Grades below “C” (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

1. AMH 2010 U.S. History: 1492-1877 3 hrs may be substituted with:
2. AMH 2020 U.S. History: 1877-Present 3 hrs may be substituted with:

1. AMH 2010 is a prerequisite for subsequent American History courses.
2. AMH 2020 is a prerequisite for subsequent American History courses.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements.

Freshman Year - Fall 15 hrs

- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs

Freshman Year - Spring 15 hrs

- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs

Sophomore Year - Fall 16 hrs

- GEP 3 hrs
- Core Course 3 hrs
- Restricted Elective 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Spring 16 hrs

- Core Course 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- 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
- HIS 4150 History and Historians 3 hrs

Junior Year - Spring 13 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 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 13 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Hospitality Management (B.S.)

Rosen College of Hospitality Management

Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819

http://www.hospitality.ucf.edu

E-mail: hospitality@mail.ucf.edu

Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean

Phone: 407-903-8000

Admission Requirements

- None

Degree Requirements

- None

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations

Required  MAC 1105  College Algebra 3 hrs

Select 1: 3 hrs

Required  CGS 2100C  Computer Fundamentals for Business or 3 hrs

Required  STA 2023  Statistical Methods I 3 hrs

D: Social Foundations

Select 1: 3 hrs

Required  ECO 2013  Principles of Macroeconomics or 3 hrs

Required  ECO 2023  Principles of Microeconomics 3 hrs
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<th>Select 1:</th>
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<tr>
<td>Required</td>
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</tr>
<tr>
<td>ANT 2000</td>
<td>General Anthropology or</td>
</tr>
<tr>
<td>PSY 2012</td>
<td>General Psychology or</td>
</tr>
<tr>
<td>SYG 2000</td>
<td>Introduction to Sociology</td>
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- **E: Science Foundations** (6 hrs)
  - **2. Common Program Prerequisites (CPP)** (3 hrs)
    - See “Common Prerequisites” in the Transfer and Services section for more information.
    - HFT 1000 Introduction to the Hospitality and Tourism Industry

- **3. Core Requirements: Basic Level** (34 hrs)
  - Hospitality Management Core 34 hrs
    - FSS 2212C Techniques of Food Preparation 4 hrs
    - HFT 2220 Hospitality Human Resources Management 3 hrs
    - HFT 2401 Hospitality Industry Financial Accounting 3 hrs
    - HFT 2500 Hospitality and Tourism Marketing 3 hrs
    - HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
    - HFT 3444 Hospitality Information Systems 3 hrs
    - HFT 3540 Guest Services Management I 3 hrs
    - HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
    - HFT 4286 Hospitality Communications 3 hrs
    - HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs
    - HFT 4464 Hospitality Industry Finance 3 hrs

- **Quantitative Tools**
  - MAC 1105 College Algebra GEP
  - Select 1: 0 hr
    - CGS 2100C Computer Fundamentals for Business or
    - STA 2023 Statistical Methods I

- **Select 1:**
  - ECO 2013 Principles of Macroeconomics or
  - ECO 2023 Principles of Microeconomics

- **4. Core Requirements: Advanced Level** (21 hrs)
  - Sectoral Core (Choose 6 of the Following 7) 18 hrs
    - Select 6: 18 hrs
      - HFT 2254 Lodging Operations or
      - HFT 2750 The Event Industry or
      - HFT 3263 Restaurant Management or
      - HFT 3273 Principles of Resort Timesharing or
      - HFT 3700 Tourism Management or
      - HFT 4277 Yacht, Country, And City Club Management or
      - HFT 4755 Theme Park and Attraction Management 3 hrs

- **Internships**
  - 3 hrs
    - HFT 3940 Internship 1 hr
    - HFT 4941 Internship 1 hr
    - HFT 4944 Practicum 1 hr

- **5. Restricted Electives** (15 hrs)
  - Students should select one of the following track options to fulfill their restricted electives requirement
  - **Restricted Electives** (15 hrs)
    - Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and/or Event Management B.S.) offered by the Rosen College.
    - Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.
  - **Or**
    - Specialized Tracks 15 hrs
      - Students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

- **Theme Park and Attraction Management Track** 15 hrs
  - HFT 3784 Amusement Technology or
  - HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry or
  - HFT 4614 Risk Management in Theme Parks and Attractions or
  - HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry or
  - HFT 4759 Product Development in Theme Parks and Attractions or
  - HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry or
  - HFT 4787 Operational Issues in the Theme Park and Attraction Industry or
  - HFT 4795 Entertainment Arts and Events 3 hrs

- **Golf and Club Management Track** 15 hrs
  - HFT 1350 Career & Promotional Development in Golf or
  - HFT 1356 Concepts and Practices of Golf Associations or
  - HFT 2359 Design & Maintenance of Golf Equipment or
  - HFT 3353 Golf Planning & Operations I or
  - HFT 3354 Agronomy for Golf Course Management or
  - HFT 3355 Golf Planning & Operations II or
  - HFT 3357 Golf Event Operations or
  - HFT 3384 Golf and Club Enterprises Management or
  - HFT 4358 Golf Course Facility Design 3 hrs

- **6. Capstone Requirements**
  - None

- **7. Foreign Language Requirements**

- **Admissions**
  - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

- **Graduation**
  - None

- **8. Electives**
  - 3-11 hours as necessary to result in 120 total credit hours.

- **9. Additional Requirements**
  - Final exams will be given during Exam Week only.
  - Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

- **10. Required Minors**
  - None

- **11. Departmental Exit Requirements**
  - None

- **12. University Minimum Exit Requirements**
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

- **Total Semester Hours Required**
  - 120

- **Honors In Major**
  - None

- **Related Programs**
  - None
### Certificates
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- Plan your required nine summer credit hours into your course of study.

### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

**Select 1:**
- CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs

**Select 1:**
- ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

### Freshman Year - Spring
- ANT 2511 The Human Species 3 hrs
- ENC 1102 Composition II 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs
- MAC 1105 College Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

### Sophomore Year - Fall
- AST 2002 Astronomy 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs

**Select 1:**
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

**Select 1:**
- HFT 2254 Lodging Operations or HFT 2750 The Event Industry 3 hrs

### Sophomore Year - Spring
- ANT 2511 The Human Species 3 hrs
- FSS 2221C Techniques of Food Preparation 4 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3444 Hospitality Information Systems 3 hrs

### Junior Year - Fall
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
- HFT 3940 Internship 1 hr

**Select 4:**
- HFT 2254 Lodging Operations or HFT 2750 The Event Industry or HFT 3263 Restaurant Management or HFT 3273 Principles of Resort Timesharing or HFT 3700 Tourism Management or HFT 4277 Yacht, Country, and City Club Management or HFT 4755 Theme Park and Attraction Management 3 hrs

### Senior Year - Fall
- HFT 4286 Hospitality Communications 3 hrs
- HFT 4464 Hospitality Industry Finance 3 hrs
- HFT 4944 Practicum 1 hr

### Senior Year - Spring
- HFT 4295 Leadership and Strategic Management in the Hospitality Industry 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecd.ucf.edu/aic/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

### Hospitality Management - A.S. to B.S. Track (B.S.)
**NOTE:** For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

### Humanities (B.A.)
**College of Arts and Humanities**
**Department of Philosophy, Psychology Building, Room: 220**
**http://www.philosophy.cah.ucf.edu/**
**E-mail:** philosophy@mail.ucf.edu
**Dr. Doug Evans**
**Phone:** 407-823-2273

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a C (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

#### 1. UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations**
- PHI 2010 Introduction to Philosophy or
- Suggested PHI 2020

**B: Cultural & Historical Foundations**
- Suggested HUM 2210
- Suggested HUM 2230

**Select 1:**
- Suggested HUM 2210

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**Full-Time Student: $75 per term**

**Part-Time Student: $37.50 per term**

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**UNIVERSITY OF CENTRAL FLORIDA**
**221 Undergraduate Catalog 2010-2011**
UCF Degree Programs

C: Mathematical Foundations (6 hrs)
  ^ Prefer MGF 1106 Finite Mathematics 3 hrs
  ^ Prefer STA 2060C Basic Statistics Using Microsoft Excel 3 hrs

  ^ (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
  ■ None

3. Core Requirements: Basic Level (6 hrs)
  ^ HUM 2020 Encountering the Humanities 3 hrs
  ^ HUM 2210 Humanistic Tradition I GEP 3 hrs
  ^ HUM 2220 Humanistic Tradition II GEP 3 hrs
  ^ HUM 4933 Senior Research Seminar 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
  ■ Concentrations (choose one):
  ■ Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

   4.1. Classical Humanities (24 hrs)
   Western Traditions and Applications (9 hrs)
   ^ ARH 4170 Greek & Roman Art or 3 hrs
   ^ ARH 4310 Italian Renaissance Art or 3 hrs
   ^ CLT 3370 Classical Mythology or 3 hrs
   ^ CLT 3378 Comparative Mythology or 3 hrs
   ^ HUM 3552 Christian Thought or 3 hrs
   ^ HUM 3553 Moses, Jesus and Muhammad or 3 hrs
   ^ JST 3401 The Jewish People I or 3 hrs
   ^ 1 PHH 3100 Ancient Philosophy or 3 hrs
   ^ 1 PHH 3200 Medieval Philosophy or 3 hrs
   ^ 1 PHH 3460 Modern Western Philosophy or 3 hrs
   ^ REL 3432 Roots of Western Mysticism 3 hrs

   World Intellectual Traditions (6 hrs)
   ^ ANT 3245 Native American Religions or 3 hrs
   ^ HUM 3401 Asian Humanities or 3 hrs
   ^ HUM 3417 Hindu Thought and Culture or 3 hrs
   ^ HUM 3419 Islamic Thought and Culture or 3 hrs
   ^ HUM 3460 Latin American Humanities or 3 hrs
   ^ HUM 4303 The Spiritual Ideal or 3 hrs
   ^ HUM 4554 Religious Quest and Human Dilemma or 3 hrs
   ^ PHI 3790 African Philosophy or 3 hrs
   ^ PHI 3798 African-American Philosophy or 3 hrs
   ^ REL 3340 Buddhist Thought 3 hrs

   Foundations (3 hrs)
   ^ HUM 4301 The Classical Ideal 3 hrs

   Select 2: (6 hrs)
   ^ HUM 3255 Modern Humanities or 3 hrs
   ^ HUM 3431 Ancient Humanities or 3 hrs
   ^ HUM 3435 Medieval Humanities 3 hrs

  1 Only one of these courses may be taken.

5. Restricted Electives (3 hrs)
  ■ Select one course from the ‘Traditions and Applications’ category in the concentrations that are not being used to satisfy Core Requirements, or other courses as approved by advisor.

   Select 1: (3 hrs)
   ^ HUM 4303 The Spiritual Ideal or 3 hrs
   ^ PHI 3000 Aesthetics or 3 hrs
   Or other courses as approved by advisor 3 hrs

6. Capstone Requirements
  ■ None

7. Foreign Language Requirements

Admissions
  ■ Met by graduation requirement

Graduation
  ■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
  ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
  ■ None

10. Required Minors
  ■ None

11. Departmental Exit Requirements
  ■ Earn a “C” (2.0) or better in each required course.
  ■ Departmental Exit Exam in final semester.
  ■ To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
  ■ Computer competency met by one of the following:
    ^ HUM 4933 Senior Research Seminar 3 hrs

Multicultural Humanities (24 hrs)

 Traditions and Applications (15 hrs)
 ^ ANT 3311 Indians of the Southeastern United States or 3 hrs
 ^ ARH 3520 African Art or 3 hrs
 ^ HUM 3401 Asian Humanities or 3 hrs
 ^ HUM 3417 Hindu Thought and Culture or 3 hrs
 ^ HUM 3419 Islamic Thought and Culture or 3 hrs
 ^ HUM 3460 Latin American Humanities or 3 hrs
 ^ HUM 3553 Moses, Jesus and Muhammad or 3 hrs
 ^ JST 3401 The Jewish People I or 3 hrs
 ^ PHI 3701 Native American Philosophy or 3 hrs
 ^ PHI 3790 African Philosophy or 3 hrs
 ^ PHI 3123 Feminist Theories 3 hrs

 Foundations (3 hrs)
 ^ HUM 3320 Contemporary Multicultural Studies 3 hrs

 Select 1: (3 hrs)
 ^ HUM 3431 Ancient Humanities or 3 hrs
 ^ HUM 3435 Medieval Humanities 3 hrs

 Critical Humanities (24 hrs)

 Traditions and Applications (15 hrs)
 ^ HUM 3394 Representations of Place and Space or 3 hrs
 ^ HUM 4330 Performance Theory or 3 hrs
 ^ HUM 4554 Religious Quest and Human Dilemma or 3 hrs
 ^ PHH 3510 Marx and Nietzsche or 3 hrs
 ^ PHI 3022 Sexuality, Gender & Philosophy or 3 hrs
 ^ PHI 3331 Philosophy, Religion, and the Environment or 3 hrs
 ^ PHI 3638 Ethical Issues in the 21st Century or 3 hrs
 ^ PHM 3123 Feminist Theories or 3 hrs
 ^ PHP 3786 Existentialism or 3 hrs
 ^ PHP 4782 Phenomenology or 3 hrs
 ^ REL 3111 Religion and Philosophy Through Film or 3 hrs
 ^ REL 3115 Religion, Spirituality, and Popular Music 3 hrs

 Select 1: (3 hrs)
 ^ HUM 4303 The Spiritual Ideal or 3 hrs
 ^ PHI 3790 Philosophy of Religion or 3 hrs
 ^ PHI 3800 Aesthetics or 3 hrs
 Or other courses as approved by advisor 3 hrs

 University of Central Florida
### UCF Degree Programs

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- (33 hrs)
  - Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

  **Honors Thesis**
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

  **Additional Requirements**
  - Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
  - Fulfill University requirements for Honors in the Major.
  - Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
  - Successful completion and oral defense of Honors thesis.
  - Earn a "B" (3.0) or better in both of the following:
    - HUM 4903H Honors Directed Reading I 3 hrs
    - HUM 4970H Undergraduate Honors Thesis 3 hrs

**Core and Elective Requirements**

- 33 hrs

**Same requirements as for regular majors.**

**Related Programs**

- Humanities - Philosophy, Religion, & Popular Culture Track
- Philosophy
- Religious Studies

**Certificates**

- None

**Related Minors**

- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

**Advising Notes**

- None

**Transfer Notes**

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

---

**Freshman Year - Fall**

- Foreign Language 4 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

**Freshman Year - Spring**

- Foreign Language 4 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

**Select 1:**

- PHI 2010 Introduction to Philosophy or
- REL 2300 World Religions 3 hrs

**Sophomore Year - Fall**

- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

**Sophomore Year - Spring**

- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

**Junior Year - Fall**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Supporting Elective 3 hrs

**Junior Year - Spring**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs

**Senior Year - Fall**

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- HUM 4933 Senior Research Seminar 3 hrs

**Senior Year - Spring**

- 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/alc/academic_learning_compacts.htm](http://www.oias.ucf.edu/alc/academic_learning_compacts.htm)

**Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)**

**College of Arts and Humanities**

**Department of Philosophy, Psychology Building, Room: 220**


**E-mail: philosophy@mail.ucf.edu**

Dr. Doug Evans, 407-823-2273

Dr. Shelley Park (Cocoa Campus), 321-433-7919

**Admission Requirements**

- None
### UCF Degree Programs

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor. Courses may be outside the departmental residency requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one selective in their area of proposed graduate interest. 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.
- To avoid delaying graduation, you must request a review of your last term. Earn a “C” (2.0) or better in each required course.
- A maximum of 45 hours of extension, correspondence, or university credits may be substituted for courses in UCF programs, except for the University Minimum Exit Requirements.
- A 2.0 UCF GPA is required for graduation.

#### Common Program Prerequisites (CPP) (0 hrs)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td></td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td></td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
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<tr>
<td>D: Social Foundations</td>
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<tr>
<td>E: Science Foundations</td>
<td></td>
</tr>
<tr>
<td>F: Cultural &amp; Historical Foundations</td>
<td></td>
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<tr>
<td>G: Mathematical Foundations</td>
<td></td>
</tr>
<tr>
<td>H: Social Foundations</td>
<td></td>
</tr>
<tr>
<td>I: Science Foundations</td>
<td></td>
</tr>
</tbody>
</table>

#### Core Requirements: Basic Level (0 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 2210 Humanistic Tradition I</td>
<td></td>
</tr>
<tr>
<td>HUM 2230 Humanistic Tradition II</td>
<td></td>
</tr>
<tr>
<td>PHI 2010 Introduction to Philosophy</td>
<td></td>
</tr>
<tr>
<td>REL 2300 World Religions</td>
<td></td>
</tr>
</tbody>
</table>

#### Core Requirements: Advanced Level (18 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3684 Ways of Living and</td>
<td></td>
</tr>
<tr>
<td>PHI 4341 Ways of Knowing</td>
<td></td>
</tr>
<tr>
<td>PHI 2108 Critical Thinking or</td>
<td></td>
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<tr>
<td>PHI 3670 Ethical Theory or</td>
<td></td>
</tr>
<tr>
<td>PHI 3700 Philosophy of Religion or</td>
<td></td>
</tr>
<tr>
<td>PHI 3720 Faith and Reason or</td>
<td></td>
</tr>
<tr>
<td>PHI 3800 Aesthetics or</td>
<td></td>
</tr>
<tr>
<td>PHI 4300 Theories of Knowledge or</td>
<td></td>
</tr>
<tr>
<td>PHI 4804 Critical Theory or</td>
<td></td>
</tr>
<tr>
<td>PHM 3100 Freedom and Justice or</td>
<td></td>
</tr>
<tr>
<td>PHP 3786 Existentialism</td>
<td></td>
</tr>
<tr>
<td>CLT 3578 Comparative Mythology or</td>
<td></td>
</tr>
<tr>
<td>HUM 3417 Hindu Thought and Culture or</td>
<td></td>
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<tr>
<td>HUM 3419 Islamic Thought and Culture or</td>
<td></td>
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<tr>
<td>HUM 3552 Christian Thought or</td>
<td></td>
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<tr>
<td>HUM 3553 Moses, Jesus and Muhammad or</td>
<td></td>
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<tr>
<td>HUM 4303 The Spiritual Ideal or</td>
<td></td>
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<tr>
<td>HUM 4554 Religious Quest and Human Dilemma or</td>
<td></td>
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<tr>
<td>PHI 3750 The Problem of Evil</td>
<td></td>
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</tbody>
</table>

#### Contemporary Media (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>HUM 3320 Contemporary Multicultural Studies or</td>
<td></td>
</tr>
<tr>
<td>HUM 4330 Performance Theory or</td>
<td></td>
</tr>
<tr>
<td>HUM 4556 Religion and the Arts or</td>
<td></td>
</tr>
<tr>
<td>PHI 3625 Virtual Ethics or</td>
<td></td>
</tr>
<tr>
<td>PHI 4931 Philosophy in the News or</td>
<td></td>
</tr>
<tr>
<td>POS 3235 Mass Media and Politics or</td>
<td></td>
</tr>
<tr>
<td>POS 3258 Politics in Film or</td>
<td></td>
</tr>
<tr>
<td>REL 3111 Religion and Philosophy Through Film or</td>
<td></td>
</tr>
<tr>
<td>REL 3115 Religion, Spirituality, and Popular Music or</td>
<td></td>
</tr>
</tbody>
</table>

#### Contemporary Forms of Life (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3302 Sex, Gender and Culture or</td>
<td></td>
</tr>
<tr>
<td>HUM 3252 Contemporary Humanities or</td>
<td></td>
</tr>
<tr>
<td>PHI 3022 Sexuality, Gender &amp; Philosophy or</td>
<td></td>
</tr>
<tr>
<td>PHI 3033 Philosophy, Religion, and the Environment or</td>
<td></td>
</tr>
<tr>
<td>PHI 3629 Family Values or</td>
<td></td>
</tr>
<tr>
<td>PHI 3638 Ethical Issues in the 21st Century or</td>
<td></td>
</tr>
<tr>
<td>PHI 3683 Philosophy of Friendship or</td>
<td></td>
</tr>
<tr>
<td>PHI 4321 Philosophes of Embodiment: Mind/Body/ Self or</td>
<td></td>
</tr>
<tr>
<td>PHM 3020 Philosophy of Love or</td>
<td></td>
</tr>
<tr>
<td>PHM 3123 Feminist Theories or</td>
<td></td>
</tr>
<tr>
<td>PHM 3401 Philosophy of Law or</td>
<td></td>
</tr>
<tr>
<td>REL 3131 Religion in America</td>
<td></td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (0 hrs)

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

#### 6. Capstone Requirements (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 4933 Senior Research Seminar</td>
<td></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 after meeting with a departmental advisor. Courses may be outside the department.

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Departmental Exit Exam in final semester.
- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer competency met by one of the following:
  - HUM 4933 Senior Research Seminar | 3 hrs
  - HUM 4970H Undergraduate Honors Thesis | 1 hr
  - STA 1060C Basic Statistics Using Microsoft Excel | 3 hrs

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required
- 120

Honors in Major
- Students considering graduate school in humanities are
  strongly encouraged to take Honors in the Major. Requirements
  are as follows:

  a. Core Requirements, Popular Culture and Capstone
  - Same requirements as for regular majors

  b. Honors Thesis
  - 6 hrs
    HUM 4903H Honors Directed Reading I 1 hr
    HUM 4970H Undergraduate Honors Thesis 1 hr

c. Additional Requirements of Honors in the Major
- Application and admission through the Humanities Honors Coordinator
- Fulfill University requirements for Honors in the Major
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
- Successful completion and oral defense of Honors thesis
- Earn a "B" (3.0) or better in both of the following:
  - No more than 2 courses (i.e., 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
  - HUM 4903H Honors Directed Reading I 1 hr
  - HUM 4970H Undergraduate Honors Thesis 1 hr

Related Programs
- Humanities
- Philosophy

Certificates
- None

Related Minors
- None
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Industrial Engineering (B.S.I.E.)
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, wthompson@mail.ucf.edu
Phone: 407-823-2204

Admission Requirements
- None

Degree Requirements
- Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - Prefer SPC 1603 Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (9 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2023 Principles of Macroeconomics or ECO 2013 Principles of Microeconomics 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. A 2.0 cumulative GPA or better is required for those courses in this section.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:
- 1 MAC 2311 Calculus with Analytic Geometry I 4 hrs
- 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- 1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
- 1 MAP 2302 Differential Equations 3 hrs
- 1 PHY 2048C Physics for Engineers & Scientists I 4 hrs
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 2: 4 hrs
- 1 CHM 2045C Chemistry Fundamentals I or 4 hrs
- 1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - Prefer SPC 1603 Fundamentals of Technical Presentations

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (9 hrs)
- Select 1: 3 hrs
  - Prefer ECO 2023 Principles of Macroeconomics or ECO 2013 Principles of Microeconomics 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select one class from Science Foundations 3 hrs

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 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr
# UCF Degree Programs

## 4. Core Requirements: Advanced Level (58 hrs)

**Engineering Core: Advanced**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
</tr>
</tbody>
</table>

## Courses Required for the Major (43 hrs)

- The Industrial Engineering and Management Systems department requires all students within the major to achieve a "C" (2.0) GPA or better in each course listed.
- EGN 3613 Engineering Economic Analysis 2 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 3000 Introduction to Industrial Engineering and Management Systems 2 hrs
- EIN 3314C Work Measurement & Design 3 hrs
- EIN 4254 Principles of Cost Engineering 3 hrs
- EIN 4243C Human Engineering 3 hrs
- EIN 4333 Production and Distribution Systems 3 hrs
- EIN 4364C Industrial Facilities Planning and Design 3 hrs
- EIN 4391C Manufacturing Engineering 3 hrs
- EIN 4517 Systems Engineering 3 hrs
- ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
- ESI 4234 Quality Engineering 3 hrs
- ESI 4312 Operations Research 3 hrs
- ESI 4523C Systems Simulation 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

## 5. Restricted Electives (5 hrs)

- Technical electives are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

## 6. Capstone Requirements

- None

## 7. Foreign Language Requirements

- None

## 8. Electives

- None

## 9. Additional Requirements

- None

## 10. Required Minors

- None

## 11. Departmental Exit Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4516C</td>
<td>Systems Analysis and Design</td>
<td>3</td>
</tr>
<tr>
<td>EIN 4691C</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3</td>
</tr>
</tbody>
</table>

## 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required

128


**Junior Year - Fall**  
- EIN 3314C: Work Measurement & Design (3 hrs)  
- EIN 3354: Principles of Cost Engineering (3 hrs)  
- EIN 4391C: Manufacturing Engineering (3 hrs)  
- ESI 4312: Operations Research (3 hrs)  
- ESI 4629C: Industrial Engineering Applications of Computers (3 hrs)  

**Junior Year - Spring**  
- EIN 4323: Production and Distribution Systems (3 hrs)  
- EIN 4364C: Industrial Facilities Planning and Design (3 hrs)  
- ESI 4221: Empirical Methods for Industrial Engineering (3 hrs)  
- ESI 4523C: Systems Simulation (3 hrs)  

**Select 1:**  
- EGN 3343: Thermodynamics or (3 hrs)  
- EGN 3358: Thermo-Fluids-Heat Transfer (3 hrs)  

**Junior Year - Summer**  
- 6 hrs  
  - GEP  (3 hrs)  
  - GEP  (3 hrs)  

**Senior Year - Fall**  
- Restricted Elective (3 hrs)  
- EGN 3373: Principles of Electrical Engineering (3 hrs)  
- EGN 4624: Engineering Administration (3 hrs)  
- EIN 4516C: Systems Analysis and Design (3 hrs)  
- ESI 4294: Quality Engineering (3 hrs)  

**Senior Year - Spring**  
- 12 hrs  
  - Restricted Elective (3 hrs)  
  - GEP  (3 hrs)  
  - GEP  (3 hrs)  
- EIN 4891C: Industrial Engineering Senior Design Project (3 hrs)  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm  

Equipment Fees  
- Part-Time Student: $45 per term  
- Full-Time Student: $90 per term  

**Information Technology (B.S.)**  
College of Engineering and Computer Science  
School of Electrical Engineering and Computer Science,  
Harris Corp. Engineering Center, Room: 246  
http://www.eecs.ucf.edu/  
E-mail: undergraduate@eecs.ucf.edu  
Dr. Ali Orooji, HEC 245D  
Charlese Hilton-Brown, HEC 245F  
Phone: 407-823-2787  

Admission Requirements  
- None  

Degree Requirements  
- "C" (2.0) or better required in all prerequisites and courses required for the major.  
- Students should consult with a departmental advisor.  
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.  
- 12 of the 24 Residency hours must be at the 4000-5000 level.  

1. UCF General Education Program (GEP)  
   (37 hrs)  
   - A: Communication Foundations  
     Required ENC 1101: Composition I (3 hrs)  
     Required ENC 1102: Composition II (3 hrs)  
   
   - Select 1:  
     Prefer SPC 1603: Fundamentals of Technical Presentations or (3 hrs)  
     Prefer SPC 1608: Fundamentals of Oral Communication (3 hrs)  

B: Cultural & Historical Foundations  
(9 hrs)  

C: Mathematical Foundations  
(6 hrs)  
- Required STA 2023: Statistical Methods I (3 hrs)  

Select 1:  
- Suggested MAC 1105: College Algebra or (3 hrs)  
- Suggested MAC 1140: Pre-Calculus Algebra (3 hrs)  

D: Social Foundations  
(6 hrs)  
- Required ECO 2013: Principles of Macroeconomics (3 hrs)  
- Required PSY 2012: General Psychology (3 hrs)  

E: Science Foundations  
(7 hrs)  
- Required PHY 2053C: College Physics I (4 hrs)  
- Select one class from Science Foundations (3 hrs)  

2. Common Program Prerequisites (CPP)  
(15 hrs)  
- A “C” (2.0) or better is required in all these courses.  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
  - CCG 2545C: Database Concepts (3 hrs)  
  - COP 3223: Introduction to Programming with C (3 hrs)  
  - COP 3330: Object Oriented Programming (3 hrs)  
  - ECO 2013: Principles of Macroeconomics (3 hrs)  
  - MAC 1114: College Trigonometry (3 hrs)  
  - PHY 2053C: College Physics I (3 hrs)  
  - PSY 2012: General Psychology (3 hrs)  
  - STA 2023: Statistical Methods I (3 hrs)  

Select 1:  
- COT 3100C: Introduction to Discrete Structures or (3 hrs)  
- MAD 2104: Foundations of Discrete Math (3 hrs)  

3. Core Requirements: Basic Level  
(0 hrs)  
- None  

4. Core Requirements: Advanced Level  
(51 hrs)  
- A “C” (2.0) or better is required in all these courses.  

Core Requirements  
(45 hrs)  
- CAP 4104: Human and Technology Interaction (3 hrs)  
- CGS 3269: Computer Architecture Concepts (3 hrs)  
- CGS 3763: Operating System Concepts (3 hrs)  
- CIS 3003: Fundamentals of Information Technology (3 hrs)  
- CIS 3360: Security in Computing (3 hrs)  
- CIS 4004: Web-Based Information Technology (3 hrs)  
- CIS 4313: Managing IT Integration (3 hrs)  
- CNT 3004: Computer Network Concepts (3 hrs)  
- CNT 4603: System Administration and Maintenance (3 hrs)  
- CNT 4703C: Design and Implementation of Computer Communication Networks (3 hrs)  
- CNT 4714: Enterprise Computing (3 hrs)  
- COP 3502C: Computer Science I (3 hrs)  
- COP 4910: Frontiers in Information Technology (3 hrs)  
- EEL 3041: Circuit Analysis (3 hrs)  
- PHI 3626: Advanced Ethics in Science and Technology (3 hrs)  

Support Courses  
(6 hrs)  
- A “C” (2.0) or better is required in all these courses.  

Select 1:  
- ENC 4265: Writing for the Computer Industry or (3 hrs)  
- ENC 4293: Documentation and the Collaborative Process or (3 hrs)  
- ENC 4414: Writing and Hypertext or (3 hrs)  
- ENC 4415: Digital Rhetorics and The Modern Dialectic (3 hrs)  

Select 1:  
- ENC 3211: Theory and Practice of Technical Writing or (3 hrs)  
- ENC 3241: Writing for the Technical Professional or (3 hrs)  
- ENC 3250: Professional Writing (3 hrs)  

5. Restricted Electives  
(6 hrs)  
- Six hours of any 3000-level (or higher) courses offered by Computer Science and Information Technology programs.  
- A “C” (2.0) or better is required in all these courses.  

6. Capstone Requirements  
- None
UCF Degree Programs

7. Foreign Language Requirements
   ■ None

8. Electives
   ■ Remaining hours needed to meet minimum of 120 hours for graduation should be met with Free Electives.

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ Complete an exit interview with an assigned faculty advisor
    ■ Computer competency met by completion of major

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   ■ 120

Honors In Major
   ■ None

Related Programs
   ■ Computer Engineering
   ■ Computer Science

Certificates
   ■ None

Related Minors
   ■ Computer Science
   ■ Interdisciplinary Informatics Technology
   ■ Secure Computing and Networks

Advising Notes
   ■ None

Transfer Notes
   ■ Grades below "C" (2.0) are not accepted
   ■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
   ■ Courses taken at community colleges do not substitute for Upper Division courses

Acceptable Substitutes for Transfer Courses
   ■ None

Plan of Study

Freshman Year - Fall 12 hrs
   COP 3223 Introduction to Programming with C 3 hrs
   ENC 1101 Composition I 3 hrs
   SPC 1603 Fundamentals of Technical Presentations 3 hrs

Select 1: 3 hrs
   MAC 1105 College Algebra or
   MAC 1140 Pre-Calculus Algebra 3 hrs

Freshman Year - Spring 15 hrs
   COP 3502C Computer Science I 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ENC 1102 Composition II 3 hrs
   MAC 1114 College Trigonometry 3 hrs
   PSY 2012 General Psychology 3 hrs

Sophomore Year - Fall 16 hrs
   GEP 3 hrs
   CIS 3003 Fundamentals of Information Technology 3 hrs
   COP 3330 Object Oriented Programming 3 hrs
   MAD 2104 Foundations of Discrete Math 3 hrs
   PHY 2053C College Physics I 4 hrs

Sophomore Year - Spring 15 hrs
   GEP 6 hrs
   CGS 2545C Database Concepts 3 hrs
   CGS 3269 Computer Architecture Concepts 3 hrs
   STA 2023 Statistical Methods I 3 hrs

Junior Year - Fall 15 hrs
   CAP 4104 Human and Technology Interaction 3 hrs
   CIS 3350 Security in Computing 3 hrs
   CNT 3004 Computer Network Concepts 3 hrs
   EEL 3041 Circuit Analysis 3 hrs

Select 1: 3 hrs
   ENC 3211 Theory and Practice of Technical Writing or
   ENC 3241 Writing for the Technical Professional or
   ENC 3250 Professional Writing 3 hrs

Junior Year - Spring 15 hrs
   GEP 3 hrs
   CGS 3763 Operating System Concepts 3 hrs
   CIS 4313 Managing IT Integration 3 hrs
   PHI 3626 Advanced Ethics in Science and Technology 3 hrs

Select 1: 3 hrs
   ENC 4265 Writing for the Computer Industry or
   ENC 4293 Documentation and the Collaborative Process or
   ENC 4414 Writing and Hypertext or
   ENC 4415 Digital Rhetorics and The Modern Dialectic 3 hrs

Senior Year - Fall 15 hrs
   Restricted Elective 3 hrs
   Free Elective 3 hrs
   CIS 4004 Web-Based Information Technology 3 hrs
   CNT 4603 System Administration and Maintenance 3 hrs
   CNT 4703C Design and Implementation of Computer Communication Networks 3 hrs

Senior Year - Spring 14 hrs
   Restricted Elective 3 hrs
   Free Elective 5 hrs
   CNT 4714 Enterprise Computing 3 hrs
   COP 4810 Frontiers in Information Technology 3 hrs

Program Academic Learning Compacts
   ■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   ■ Part-Time Student: $45 per term
   ■ Full-Time Student: $90 per term

Interdisciplinary Studies (B.A. / B.S.)
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there
are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
■ Co-op credit cannot be used in this major.
■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internship will not be counted towards the major.
■ Students must earn at least a “C” (2.0) in each core and restricted elective course.
■ Students must consult an Interdisciplinary Studies adviser to enter the program.
■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
■ No courses can count in more than one subject area or in a subject area and a minor.
■ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
■ None

3. Core Requirements: Basic Level (6 hrs)
   IDS 3933 Cornerstone Experience 3 hrs
   IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level (0 hrs)
■ None

5. Restricted Electives (30 hrs)
■ Students must complete two different subject area concentrations from among those specified below.
■ Students must take a minimum of 15 hours of approved courses in each 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 a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
■ BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
■ Select primarily from upper level courses, with an Interdisciplinary Studies adviser’s approval.

9. Additional Requirements
■ None

10. Required Minors
■ Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements
■ A grade of “C” or above (2.0) is required for each course in the core and restricted electives.
■ Computer Competency met by completing this major.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Interdisciplinary Studies - Environmental Studies Track
■ Interdisciplinary Studies - Women’s Studies Track

Certificates
■ None

Related Minors
■ Most UCF minors

Advising Notes
■ None
UCF Degree Programs

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Interdisciplinary Studies - Environmental Studies

Track (B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must have declared an Interdisciplinary Studies major at least one semester before graduation
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
- Co-op credit cannot be used in the major
- Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas
- Students must consult with an Interdisciplinary Studies adviser when entering the program
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

1 Required MAC 1105 College Algebra 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

1 may take a higher level math

2. Common Program Prerequisites (CPP) (0 hrs)

3. Core Requirements: Basic Level (11 hrs)

   Core for Environmental Studies:

   Physical/Mathematical Sciences

   CHM 2045C Chemistry Fundamentals I GEP
   MAC 1105 College Algebra GEP
   PSC 1121 Physical Science 3 hrs
   STA 2023 Statistical Methods I GEP

   Life Sciences

   BSC 2010C Biology I GEP
   BSC 2011C Biology II 4 hrs
   PCB 3044 Principles of Ecology 3 hrs
   PCB 3044L Principles of Ecology Laboratory 1 hr

   Social Science & Humanities

   SYG 2000 Introduction to Sociology GEP
   ECO 2013 Principles of Macroeconomics or 3 hrs
   ECO 2023 Principles of Microeconomics GEP

4. Core Requirements: Advanced Level (19 hrs)

   Environmental Studies Fundamentals

   ECP 3302 Economics and the Environment 3 hrs
   GIS 3043C GIS for Environmental Studies 3 hrs
   GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
   IDS 3150 Foundations of Environmental Studies 3 hrs
   PUP 3203 Environmental Politics 3 hrs
   SYD 4510 Environment and Society 3 hrs

5. Restricted Electives (18 hrs)

   Students will complete one of the concentrations listed below. Each concentration requires a minimum of eighteen credit hours. A student completing the Environmental Studies core can reasonably expect to meet entry requirements for most electives listed.

   Select eighteen hours in one concentration.

Science Concentration

- Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

- Students must have completed ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics

- Select eighteen hours in one concentration.

- Select eighteen hours in one concentration.
Values, Planning, & Policy Concentration
■ Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.
ANT 3541 Biobehavioral Anthropology 3 hrs
BOT 3802 Ethnobotany 3 hrs
ECP 4303 Environmental and Natural Resource Economics 3 hrs
ENC 3211 Theory and Practice of Technical Writing 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
ENC 4360 Nature Writing 3 hrs
GIS 4035C Remote Sensing of the Environment 3 hrs
INR 4351 International Environmental Law 3 hrs
PAD 3330 Urban and Regional Planning 3 hrs
PAD 4351 Issues in Environmental Program Management 3 hrs
PHI 3033 Philosophy, Religion, and the Environment 3 hrs
PHI 3640 Philosophy of Science 3 hrs
PHI 4633 Ethics and Biological Science 3 hrs
PHM 4031 Environmental Philosophy 3 hrs
PUP 4204 Sustainability 3 hrs
PUP 4209 Urban Environmental Policy 3 hrs

6. Capstone Requirements
■ None

7. Foreign Language Requirements

Admissions
■ Two years of high school, or one year college language (or equivalent proficiency exam) prior to graduation

Graduation
■ Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
■ Select primarily from upper level courses, with adviser approval

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ A grade of "C" or above (2.0) is required for each course taken in the subject areas and core
■ Computer Competency is met by completing this major

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Biology
■ Chemistry
■ Economics
■ Environmental Engineering
■ Political Science

Certificates
■ None

Related Minors
■ All minors

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for upper division courses.
■ Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Advising Team. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oelas.ucf.edu/alic/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student:
■ Full-Time Student:

Interdisciplinary Studies - Women’s Studies Track (B.A.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom 1, Room: 302
Program in Women’s Studies, Colburn Hall, Room: 411
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu

E-mail: womenst@mail.ucf.edu
Interdisciplinary Studies Advising Team, 407-823-0144
Dr. M.C. Santana, 407-823-2260
Phone: 407-823-0144

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women’s Studies Program in the College of Arts and Humanities.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog.
■ Students must have declared an Interdisciplinary Studies major - Women’s Studies track at least one semester before graduation.
■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
■ Co op credit cannot be used in this track.
■ Students must earn at least a “C” (2.0) in each restricted elective course.
■ Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
■ Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
■ Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.
## UCF Degree Programs

### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Area</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>9</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>9</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>6</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>6</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>6</td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP) (0 hrs)
- None

### 3. Core Requirements: Basic Level (0 hrs)
- None

### 4. Core Requirements: Advanced Level (0 hrs)
- None

### 5. Restricted Electives (36 hrs)
- Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.
- Students must complete the General Education Program (GEP) (36 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

#### First Study Area - Womanist/Women of Color Area
- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area

<table>
<thead>
<tr>
<th>Select 5:</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3460 Womanist Studies</td>
<td>3</td>
</tr>
<tr>
<td>AML 3614 Topics in African-American Literature or</td>
<td>3</td>
</tr>
<tr>
<td>AML 362 Ethnic Literature in America or</td>
<td>3</td>
</tr>
<tr>
<td>ANT 4308 Gender Issues in Latin America or</td>
<td>3</td>
</tr>
<tr>
<td>ASH 4304 Women in China or</td>
<td>3</td>
</tr>
<tr>
<td>SYD 3751 North American Indian Women Today</td>
<td>3</td>
</tr>
</tbody>
</table>

#### First Study Area - Women's Studies Cognate Area
- Take 18 hours from either the Womanist/Women of Color Area or from the Women's Studies Cognate Area

<table>
<thead>
<tr>
<th>Select 6:</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relevant Special Topics courses are periodically offered through various departments; with prior approval from the Women's Studies Director, some courses may substitute.</td>
<td>18</td>
</tr>
<tr>
<td>AML 3614 Topics in African-American Literature or</td>
<td>3</td>
</tr>
<tr>
<td>AML 362 Ethnic Literature in America or</td>
<td>3</td>
</tr>
<tr>
<td>AML 4261 Literature of the South or</td>
<td>3</td>
</tr>
<tr>
<td>ANT 3212 Peoples of the World or</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4129 Cultural Diversity in Criminal Justice or</td>
<td>3</td>
</tr>
<tr>
<td>CCJ 4681 Domestic Violence and the Justice System or</td>
<td>3</td>
</tr>
<tr>
<td>EUH 3242 Modern Europe and the First World War or</td>
<td>3</td>
</tr>
<tr>
<td>HSC 3593 HIV Disease: A Human Concern or</td>
<td>3</td>
</tr>
<tr>
<td>LIN 4643 Cross Cultural Communication or</td>
<td>3</td>
</tr>
<tr>
<td>LIT 5556 Advanced Feminist Theories or</td>
<td>3</td>
</tr>
<tr>
<td>PEM 2405 Self Defense for Women and Men or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3640 Environmental Ethics or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3670 Ethical Theory or</td>
<td>3</td>
</tr>
<tr>
<td>PHI 4300 Theories of Knowledge or</td>
<td>3</td>
</tr>
<tr>
<td>PUP 3314 Minorities in American Politics or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 2772 Sexual Behavior or</td>
<td>3</td>
</tr>
<tr>
<td>SOP 3764 Psychology of Diversity or</td>
<td>3</td>
</tr>
<tr>
<td>SYD 3700 Race and Ethnicity or</td>
<td>3</td>
</tr>
<tr>
<td>SYO 4100 Family Trends or</td>
<td>3</td>
</tr>
<tr>
<td>SYO 4200 Religion in Society or</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3630 Popular Culture In Society or</td>
<td>3</td>
</tr>
<tr>
<td>SYP 3650 Sports and Society or</td>
<td>3</td>
</tr>
<tr>
<td>SYP 4732 Minority Aging or</td>
<td>3</td>
</tr>
<tr>
<td>THE 4230 Cultural Diversity in Theater</td>
<td>3</td>
</tr>
</tbody>
</table>

| EUH 5937 Social Theory/History        | 3     |

#### 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:
  - CGS 1060C Introduction to Computer Science 3 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

#### Honors in Major
- None

#### Related Programs
- Interdisciplinary Studies

#### Certificates
- None

#### Related Minors
- Most UCF minors
### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program by the Interdisciplinary Studies Advising Team. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

### International and Global Studies (B.A.)

#### College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

#### Double major/dual degree policy in Political Science programs and minors:
- Students who double major/dual in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:
  - POS 2041 American National Government 3 hrs

#### 1. UCF General Education Program (GEP) (36 hrs)

##### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)
- Prefer WOH 2012 World Civilization I 3 hrs
- Prefer WOH 2022 World Civilization II 3 hrs
- Required One course from GEP B.2 list 3 hrs

##### C: Mathematical Foundations (6 hrs)
- Math:
  - 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:
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics or
- May substitute a more advanced STA course. 3 hrs

#### D: Social Foundations
- Prefer POS 2041 American National Government 3 hrs
- Required One course from GEP D.2 list 3 hrs

#### E: Science Foundations
- Prefer POS 2041 American National Government 3 hrs

#### 2. Common Program Prerequisites (CPP) (0 hrs)
- None

#### 3. Core Requirements: Basic Level (6 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- INR 2002 International Relations-Theory and Practice 3 hrs
- POS 2041 American National Government GEP

#### 4. Core Requirements: Advanced Level (15 hrs)
- CPO 3253 Contemporary Revolution and Political Violence
- INR 2002 International Relations-Theory and Practice 3 hrs
- INR 3364 The Intelligence Community 3 hrs

### 5. Restricted Electives (18 hrs)
- None

#### Regional
- Select from the following listing:
  - CPO 3034 Politics of Developing Areas 3 hrs
  - CPO 3104 Politics of Western Europe 3 hrs
  - CPO 3403 Politics of the Middle East 3 hrs
  - CPO 3614 Politics of Eastern Europe 3 hrs
  - CPO 4062 Comparative Judicial Process 3 hrs
  - CPO 4074 Political Economy 3 hrs
  - CPO 4101 Politics of the European Union 3 hrs
  - CPO 4123 Government and Politics of Great Britain 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - CPO 4514 Politics of East Asia 3 hrs
  - CPO 4553 Politics of Japan 3 hrs
  - CPO 4643 Government and Politics of Russia 3 hrs
  - CPO 4710 Women in Comparative Politics 3 hrs
  - CPO 5334 Contemporary Politics of the Mayan Region 3 hrs
  - POS 3253 Contemporary Revolution and Political Violence 3 hrs

#### Functional
- Select from the following listing:
  - INR 3253 International Politics of Africa 3 hrs
  - INR 4030 Diplomacy 3 hrs
  - INR 4035 International Economic 3 hrs
  - INR 4054 Global Politics of Energy 3 hrs
  - INR 4074 Immigration Policy 3 hrs
  - INR 4075 Human Rights Policy 3 hrs
  - INR 4076 Global Drug Policy 3 hrs
  - INR 4084 Politics of International Terrorism 3 hrs
  - INR 4085 Women, Gender, and Globalization 3 hrs
  - INR 4102 American Foreign Policy 3 hrs
  - INR 4104 Topics and Cases in American Foreign Policy 3 hrs
  - INR 4114 American Security Policy 3 hrs
  - INR 4115 Strategic Weapons and Arms Control 3 hrs
  - INR 4224 Contemporary International Politics of Asia 3 hrs
  - INR 4243 International Politics of Latin America 3 hrs
  - INR 4304 Issues in International Public Policy 3 hrs
  - INR 4335 Coercion in International Politics 3 hrs
  - INR 4350 Global Environmental Politics 3 hrs
  - INR 4351 International Environmental Law 3 hrs
  - INR 4364 The Intelligence Community 3 hrs
  - INR 4401 International Law I 3 hrs
  - INR 4402 International Law II 3 hrs
  - INR 4404 Space Law 3 hrs
  - INR 4502 International Organizations 3 hrs
  - INR 4714 Politics of International Trade Policy 3 hrs
  - INR 4941 Internship 3 hrs
  - PUP 4503 Government and Science 3 hrs
  - PUP 4510 Space Policy 3 hrs

1. A maximum of 3 hours of Internship can be used.
UCF Degree Programs

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Met by graduation requirement
   Graduation
   ■ Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   ■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
   ■ Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

9. Additional Requirements
   ■ None

10. Required Minors
   ■ Select from the following minors (18 hours min)
   ■ No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language.

11. Departmental Exit Requirements
    ■ Maintain a minimum GPA of 2.0 in the major.
    ■ Before applying to graduate, the CLAS must be completely satisfied.
    ■ Computer Competency met by the following:
      POS 3703  Scope and Methods of Political Science  3 hrs

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ Interested students who meet the requirements are encouraged to participative in the HIM program. Contact the department for information about the program and the HIM coordinator.

Related Programs
■ Anthropology
■ Economics
■ History

Certificates
■ None

Related Minors
■ Anthropology
■ Economics
■ History
■ Philosophy
■ Psychology
■ Sociology

Advising Notes
■ None

Transfer Notes
■ Lower division courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study (120 hrs)
■ One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 16 hrs
Foreign Language 4 hrs
ENC 1101  Composition I  3 hrs
MGF 1107  Explorations in Mathematics  3 hrs
POS 2041  American National Government  3 hrs
WCH 2012  World Civilization I  3 hrs

Freshman Year - Spring 16 hrs
Foreign Language 4 hrs
ENC 1102  Composition II  3 hrs
INR 2002  International Relations-Theory and Practice  3 hrs
STA 2014C  Principles of Statistics  3 hrs
WCH 2022  World Civilization II  3 hrs

Sophomore Year - Fall 16 hrs
Foreign Language 4 hrs
GEP  3 hrs
ECO 2013  Principles of Macroeconomics  3 hrs
GEO 3471  World Political Geography  3 hrs
POS 3703  Scope and Methods of Political Science  3 hrs

Sophomore Year - Spring 16 hrs
Foreign Language 4 hrs
GEP  3 hrs
CPD 3103  Comparative Politics  3 hrs
IDS 4315  Global Perspectives  3 hrs
INR 4603  International Relations Theory  3 hrs

Junior Year - Fall 15 hrs
Restricted Elective  3 hrs
GEP  3 hrs
Elective / Minor  3 hrs
Restricted Elective  3 hrs
Free Elective  3 hrs

Junior Year - Spring 15 hrs
Restricted Elective  3 hrs
GEP  3 hrs
Elective / Minor  3 hrs
Elective / Minor  3 hrs
Free Elective  3 hrs
### UCF Degree Programs

#### Interpersonal/Organizational Communication (B.A.)

**Nicholson School of Communication, NSC, Room: 143**  
[communication.cos.ucf.edu](http://communication.cos.ucf.edu)  
Dr. Jim Katt, Area Coordinator, [jkatt@mail.ucf.edu](mailto:jkatt@mail.ucf.edu)  
Ms. Rebecca Morales, Academic Support, [rmorales@mail.ucf.edu](mailto:rmorales@mail.ucf.edu)  
Phone: 407-823-2681

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.
- Co-op or internship credit may be used in this major with prior advisor approval.
- Students cannot exceed a total of six credits of internship, Co-op, and independent study credits combined.
- Students should consult with a departmental advisor.
- School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Communication.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A: Communication Foundations</strong> (9 hrs)</td>
<td></td>
</tr>
<tr>
<td>Required ENC 1101  Composition I 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Required ENC 1102  Composition II 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Required SPC 1606  Fundamentals of Oral Communication 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>B: Cultural &amp; Historical Foundations</strong> (9 hrs)</td>
<td></td>
</tr>
<tr>
<td><strong>C: Mathematical Foundations</strong> (6 hrs)</td>
<td></td>
</tr>
<tr>
<td><strong>Statistics:</strong> 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Required STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Required STA 2014C Principles of Statistics 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>Math:</strong> 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Suggested MGF 1106 Finite Mathematics or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>Prefer MGF 1107 Explorations in Mathematics or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>You may substitute a higher level math with appropriate scores on the Math Placement Exam.</td>
<td></td>
</tr>
<tr>
<td><strong>D: Social Foundations</strong> (6 hrs)</td>
<td></td>
</tr>
<tr>
<td><strong>E: Science Foundations</strong> (6 hrs)</td>
<td></td>
</tr>
<tr>
<td>2. <strong>Common Program Prerequisites (CPP) (18 hrs)</strong></td>
<td></td>
</tr>
<tr>
<td>See “Common Prerequisites” in the Transfer and Transitions Services section for more information.</td>
<td></td>
</tr>
<tr>
<td>Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.</td>
<td></td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608  Fundamentals of Oral Communication 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### Statistics:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>STA 2014C Principles of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

#### Computer Science:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CGS 2100C Computer Fundamentals for Business or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CGS 2585C Desktop/Internet Publishing or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>CGS 3175 Internet Applications 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### 4. Core Requirements: Advanced Level (12 hrs)

**Take all of the following:**  
<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C Communication and Human Relations or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 3120 Organizational Communication and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 3311 Communication Research Methods and 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 3301 Interpersonal Communication 3 hrs</td>
<td></td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives (27 hrs)

<table>
<thead>
<tr>
<th>Component</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Internal Restricted Electives:</strong> 21 hrs</td>
<td></td>
</tr>
<tr>
<td>Select from the following list:</td>
<td></td>
</tr>
<tr>
<td>COM 3013 Communication and the Family 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 3110 Business and Professional Communication 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 3332 Communication, Technology, and Change 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 3406 Role of Motivation in Communication 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 4014 Gender Issues in Communication 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 4461 Intercultural Communication 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 4462 Conflict Management 3 hrs</td>
<td></td>
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<tr>
<td>SPC 3445 Leadership Through Oral Communication 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 3513 Argumentation and Debate 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 4311 Nonverbal Communication 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 4426 Group Dynamics 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC 4540 Attitudes and Communication 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>A maximum of 6 credits of any combination of the following can be used:</strong> 0 hr</td>
<td></td>
</tr>
<tr>
<td>COM 4906 Directed Independent Study or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>COM 4941 Internship or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>SPC X949 Coop or 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>A maximum of 3 credits of any combination of the following can be used:</strong> 0 hr</td>
<td></td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 3250 Professional Writing or 3 hrs</td>
<td></td>
</tr>
<tr>
<td>ENC 3311 Advanced Expository Writing 3 hrs</td>
<td></td>
</tr>
<tr>
<td><strong>External Restricted Electives:</strong> 6 hrs</td>
<td></td>
</tr>
<tr>
<td>A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the Interpersonal/Organizational area (i.e. Advertising/Public Relations, Journalism, or Radio/Television).</td>
<td></td>
</tr>
<tr>
<td><strong>6. Capstone Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></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. May be taken outside of the School of Communication.

**9. Additional Requirements**
- None
### UCF Degree Programs

#### 10. Required Minors
- **None**

#### 11. Departmental Exit Requirements
- Achieve a “C” (2.0) or better average GPA in Nicholson School courses.
- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by achieving a “C” (2.0) or better in the following courses or by departmental assessment:
  - CGS 2100C  Computer Fundamentals for Business  3 hrs
  - CGS 2585C  Desktop/Internet Publishing  3 hrs
  - CGS 3175  Internet Applications  3 hrs

#### 12. University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- **120**

#### Honors In Major
- **None**

#### Related Programs
- **None**

#### Certificates
- **None**

#### Related Minors
- Interpersonal/Organizational Communication
- Mass Communication

#### Advising Notes
- **None**

#### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- **None**

#### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall
- **13 hrs**
  - Foreign Language  4 hrs
  - ENC 1101  Composition I  3 hrs
  - MGF 1107  Explorations in Mathematics  3 hrs
  - SPC 1608  Fundamentals of Oral Communication  3 hrs

### Freshman Year - Spring
- **16 hrs**
  - GEP  3 hrs
  - Foreign Language  4 hrs
  - ENC 1102  Composition II  3 hrs
  - STA 2014C  Principles of Statistics  3 hrs

### Sophomore Year - Fall
- **16 hrs**
  - Free Elective  3 hrs
  - GEP  3 hrs
  - GEP  3 hrs
  - GEP  3 hrs
  - Free Elective  4 hrs

### Sophomore Year - Spring
- **15 hrs**
  - Restricted Elective  3 hrs
  - Free Elective  3 hrs
  - Restricted Elective  3 hrs
  - Free Elective  3 hrs
  - COM 3011C  Communication and Human Relations  3 hrs
  - COM 3311  Communication Research Methods  3 hrs

### Junior Year - Fall
- **15 hrs**
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs

### Junior Year - Spring
- **15 hrs**
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs

### Senior Year - Fall
- **15 hrs**
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs

### Senior Year - Spring
- **15 hrs**
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs
  - Restricted Elective  3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Journalism (B.A.)

#### College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: journalism@ucf.edu
Mr. Rick Brunson, Area Coordinator, rbrunson@mail.ucf.edu
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

#### Admission Requirements
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- Attain an overall minimum 2.25 GPA based on a minimum of 30 credit hours of college work. NOTE: Meeting the minimum GPA does not guarantee admission since students are admitted on a space available basis.
- Submit an essay demonstrating commitment to the field; include previously published journalistic work, if any.
- Meet a grammar proficiency standard. Students must pass a grammar proficiency exam administered by UCF’s Counseling and Testing Center unless they have AP credit in English or an “A-“ or better in both of the following courses:
  - ENC 1101  Composition I  3 hrs
  - ENC 1102  Composition II  3 hrs

#### Application Deadlines:
- October 1 to be admitted the next Spring term
- February 1 to be admitted the next Summer term
- July 1 to be admitted the next Fall term

#### Degree Requirements
- Students who change degree programs (other than from Journalism Pending) and select this major must adopt the most current catalog.
The Journalism faculty strongly recommends that majors work for a student newspaper.

Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or web site.

To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.

Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.

A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.

Co-op or internship credit cannot be used in this major without prior approval.

Students should consult with a school advisor.

All students are required to pay a fee for equipment insurance.

Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.

Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).

To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.

Journalism majors must select their required minor from outside the School of Communication to remain below the 40 credit hour school maximum.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.

The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

Composition: Complete both courses.
- Required ENC 1101 Composition I and 3 hrs
- Required ENC 1102 Composition II 3 hrs

Speech: Select one course.
- Suggested SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Group 1: Select a course from group 1.
- Prefer AMH 2010 U.S. History: 1492-1877 or 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

Group 2: Select a course from group 2. 3 hrs

Group 3: Select a third course from either group 1 or 2. 3 hrs

C: Mathematical Foundations (6 hrs)

Statistics-Computers:
- Suggested CCK 1000 Introduction to Computer Science or 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Group 1:
- Prefer POS 2041 American National Government 3 hrs

Group 2: Select a listed course 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Complete one of the following:
- SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

3. Core Requirements: Basic Level (12 hrs)

- Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses
- Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
- These courses may be completed before acceptance into the program.
- JOU 2100C News Reporting 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- MMC 2004 Mass Media 3 hrs
- VIC 3001 Visual Communication 3 hrs

4. Core Requirements: Advanced Level (6 hrs)

- These courses may be completed either before or after acceptance into the program.
- JOU 4700 Journalism Ethics 3 hrs
- MMC 3200 Mass Communication Law 3 hrs

5. Restricted Electives (18 hrs)

- These courses can only be completed after acceptance into the program.
- Select courses from the following: 18 hrs
- JOU 3101 Advanced Reporting 3 hrs
- JOU 3201 Editing I 3 hrs
- JOU 3202 Editing II 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4181 Public Affairs Reporting 3 hrs
- JOU 4224 Magazine Editing and Production 3 hrs
- JOU 4300 Feature Writing 3 hrs
- JOU 4342C Converged Journalism 3 hrs
- JOU 4941 Internship 3 hrs
- PGY 3610C Photjournalism I 3 hrs
- Any JOU or PGY prefix writing, photojournalism, or editing course 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.
9. Additional Requirements
   - None

10. Required Minors
   - Journalism majors must complete an 18 hour minor in an academic area outside of the School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the Faculty.
   - The minor must be from outside of the school in order to not exceed the 40 credit hour cap.

11. Departmental Exit Requirements
   - Acceptance of portfolio by faculty
   - To avoid delaying graduation, you must request a review of requirements before registering for your last term
   - Achieve an overall "C" GPA (2.0) in courses taken within the school used to satisfy the major.
   - Before applying to graduate, the CLAS must be completely satisfied.
   - Computer Competency met by departmental assessment, or by completing the following course:
     Select 1: 3 hrs
     CGS 1060C  Introduction to Computer Science or
     STA 2014C  Principles of Statistics  3 hrs

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - English - Creative Writing
   - English - Technical Communication

Certificates
   - None

Related Minors
   - NOTE: Minors taught within the School of Communication are not open to Journalism majors.
   - English - Creative Writing
   - English - Linguistics
   - English - Literature
   - English - Technical Communication
   - English - Writing
   - History
   - Magazine Journalism
   - Political Science
   - Sociology

Advising Notes
   - It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
   - Students are urged to contact their departmental advisor before registering for courses.

Transfer Notes
   - Lower division courses taken at community colleges do not substitute for Upper Division courses.
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
   - One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 16 hrs
   - GEP
   - 3 hrs
   - Foreign Language
   - 4 hrs
   - ENC 1101  Composition I  3 hrs
   - MGF 1107  Explorations in Mathematics  3 hrs
   - SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring 16 hrs
   - GEP
   - 3 hrs
   - Elective / Minor
   - 3 hrs
   - ENC 1102  Composition II  3 hrs
   - STA 2014C  Principles of Statistics  3 hrs
   - Apply for admission to the major.

Sophomore Year - Fall 15 hrs
   - GEP
   - 3 hrs
   - GEP
   - 3 hrs
   - Elective / Minor
   - 3 hrs
   - JOU 2100C  News Reporting  3 hrs

Sophomore Year - Spring 15 hrs
   - GEP
   - 3 hrs
   - GEP
   - 3 hrs
   - Elective / Minor
   - 3 hrs
   - Elective / Minor
   - 3 hrs
   - JOU 3004  History of American Journalism  3 hrs

Junior Year - Fall 15 hrs
   - Elective / Minor
   - 3 hrs
   - Restricted Elective
   - 3 hrs
   - Restricted Elective
   - 3 hrs
   - Free Elective
   - 3 hrs
   - MMC 2004  Mass Media  3 hrs

Junior Year - Spring 15 hrs
   - Elective / Minor
   - 3 hrs
   - Restricted Elective
   - 3 hrs
   - Free Elective
   - 3 hrs
   - MMC 3200  Mass Communication Law  3 hrs
   - VIC 3001  Visual Communication  3 hrs

Senior Year - Fall 15 hrs
   - Elective / Minor
   - 3 hrs
   - Restricted Elective
   - 3 hrs
   - Free Elective
   - 3 hrs
   - JOU 4700  Journalism Ethics  3 hrs

Senior Year - Spring 13 hrs
   - Restricted Elective
   - 3 hrs
   - Free Elective
   - 4 hrs
   - Free Elective
   - 3 hrs
   - Free Elective
   - 3 hrs

Program Academic Learning Compacts
   - Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
   - Part-Time Student: $22 per term
   - Full-Time Student: $44 per term
Legal Studies (B.A. / B.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies,
Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu
David Slaughter
Phone: 407-823-2603

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate education. All of the full time Legal Studies faculty are attorneys who are graduates of ABA approved law schools and are available for law school advising. Pre-law students are encouraged to work closely with legal studies advisors in planning their programs. Satisfactory completion of program requirements leads to the degree of Bachelor of Arts or Bachelor of Science with a major in Legal Studies.

Admission Requirements
■ None

Degree Requirements
■ Students who change degree programs and select this major must adopt the most current catalog
■ Students should complete the General Education Program before transferring within the Florida Public University/Community College System
■ Students should consult with a departmental advisor
■ The courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
■ 33 hours of PLA coursework must be taken at UCF
■ 2.0 in all PLA work at UCF and overall

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
■ None

3. Core Requirements: Basic Level (0 hrs)
■ None

4. Core Requirements: Advanced Level (18 hrs)
■ All core requirements must be completed with a minimum grade of “C” (2.0) to satisfy the major.
   PLA 3014 Law and the Legal System 3 hrs
   PLA 3108 Legal Research 3 hrs
   PLA 3155 Legal Writing 3 hrs
   PLA 3205 Civil Practice and Procedure 3 hrs
   PLA 3615 Property and Real Estate Law 3 hrs
   PLA 4703 Professional Ethics and Liability 3 hrs

5. Restricted Electives (0 hrs)
■ 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

Supporting Courses (9 hrs)
■ Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student’s advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student’s advisor.

Specializations
■ Students may earn a specialization within the general progam of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
   ■ Law and Society, Litigation and Advocacy, Public Law, Sports and Entertainment Law, Criminal Law and Individual Liberties, Estates and Property Law, Comparative and International Law, Commercial and Transactional Law
   ■ A student may earn a maximum of two specializations. Specific course requirements are available at the department or from the student’s advisor.

6. Capstone Requirements (3 hrs)
   PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements
Admissions
■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
■ Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at college level.

8. Electives
■ Students taking the following electives must complete them with a minimum grade of “C” (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements
■ None

10. Required Minors
■ None

11. Departmental Exit Requirements
■ Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in residency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ Interested students should consult with their faculty advisor.

Related Programs
■ Business Administration
■ Criminal Justice
■ History
■ Political Science
■ Public Administration
■ Sociology
## UCF Degree Programs

### Certificates
- None

### Related Minors
- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.

### Acceptable Substitutes for Transfer Courses
- None

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### Plan of Study

#### Freshman Year - Fall
- ENC 1101 Composition I \(3\) hrs
- MGF 1106 Finite Mathematics \(3\) hrs
- PAF 2102 Public Affairs Careers \(2\) hrs
- Select 1: \(3\) hrs
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology \(3\) hrs
- BSC 1005 Biological Principles or MCB 1310 Introduction to Biotechnology and Genetic Engineering \(3\) hrs
- Take all of the following: \(14\) hrs

#### Freshman Year - Spring
- Free Elective \(3\) hrs
- CGS 1060C Introduction to Computer Science \(3\) hrs
- Select 1: \(3\) hrs
- ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics \(3\) hrs
- BIOS 1005 American National Government \(3\) hrs
- Select 1: \(3\) hrs
- ARH 2050 History of Western Art I or ARH 2051 History of Western Art II \(3\) hrs
- LIT 2110 World Literature I or LIT 2120 World Literature II \(3\) hrs
- MUL 2010 Enjoyment of Music or REL 2300 World Religions \(3\) hrs
- THE 2000 Theatre Survey \(3\) hrs
- Sophomore Year - Fall
- Free Elective \(3\) hrs
- SPC 1608 Fundamentals of Oral Communication \(3\) hrs
- Select 1: \(3\) hrs
- CHM 1020 Concepts in Chemistry or PSC 1121 Physical Science \(3\) hrs
- Select 1: \(3\) hrs
- AMH 2020 U.S. History: 1877-Present or EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition I \(3\) hrs
- Foreign Language I or BS option \(4\) hrs

#### Sophomore Year - Spring
- Free Elective \(3\) hrs
- Elective / Minor \(3\) hrs
- PLA 3014 Law and the Legal System \(3\) hrs

#### Select 1: \(3\) hrs
- AMH 2020 U.S. History: 1877-Present or EUH 2001 Western Civilization II or HUM 2230 Humanistic Tradition I \(3\) hrs
- Foreign Language I or BS option \(4\) hrs

### Junior Year - Fall
- Restricted Elective \(3\) hrs
- Restricted Elective \(3\) hrs
- Supporting Elective \(3\) hrs
- PLA 3108 Legal Research \(3\) hrs
- PLA 3205 Civil Practice and Procedure \(3\) hrs

#### Junior Year - Spring
- Restricted Elective \(3\) hrs
- Restricted Elective \(3\) hrs
- Supporting Elective \(3\) hrs
- PLA 3155 Legal Writing \(3\) hrs
- PLA 3615 Property and Real Estate Law \(3\) hrs

#### Senior Year - Fall
- Supporting Elective \(3\) hrs
- Elective / Minor \(3\) hrs
- Elective / Minor \(3\) hrs
- PLA 4703 Professional Ethics and Liability \(3\) hrs
- Internship or Restricted Elective \(3\) hrs

#### Senior Year - Spring
- Restricted Elective \(3\) hrs
- Elective / Minor \(3\) hrs
- Elective / Minor \(3\) hrs
- PLA 4935 Capstone: Legal Issues \(3\) hrs
- Internship or Restricted Elective \(3\) hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Liberal Studies
- Note: See Interdisciplinary Studies.

### Management (B.S.B.A.)

#### College of Business Administration

#### Department of Management, Business Administration

#### II, Room: 101

http://www.bus.ucf.edu/

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

### Admission Requirements
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each Common Program Prerequisites class.
- Students wanting to major in Management must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration.
- Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
Students majoring in Management must earn a grade of "C" (2.0) or better in the following courses and each course applied towards the major:

- MAN 3025 Management of Organizations 4 hrs
- MAN 4720 Strategic Management 4 hrs

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
- Required CGS 2100C Computer Fundamentals for Business 3 hrs
- Required MAC 1140 Pre-Calculus Algebra 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Required ANT 2000 General Anthropology or 3 hrs
  - Required PSY 2012 General Psychology or 3 hrs
  - Required SYG 2000 Introduction to Sociology 3 hrs
- Select 1:
  - Required ECO 2023 Principles of Macroeconomics or 3 hrs
  - Required ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (18 hrs)

- Must be completed with a "C" 2.0 or better
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select one of the following sequences of courses:

- Students who have not completed both MAC 2233 and STA 2023 with a "C" (2.0) or better must take ECO 3401.
  - ECO 3401 Quantitative Business Tools I 3 hrs
  - or
  - MAC 2233 Concepts of Calculus and 3 hrs
  - or
  - STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level (0 hrs)

- None

4. Core Requirements: Advanced Level (32 hrs)

First or subsequent semester in the College of Business Administration:

- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- GEB 3375 Introduction to International Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

5. Restricted Electives (24 hrs)

- Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:

Human Resource Management Track 24 hrs

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 3301 Management of Human Resources and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MAN 4240 Organizations: Theory and Behavior and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4320 Human Resources Recruitment and Selection and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4330 Compensation Administration and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4350 Training and Development</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Elective Courses 9 hrs

- BUL 4540 Employment Law or 3 hrs
- GEB 3113 How to Start a Business or 3 hrs
- GEB 4110 Business Plan Preparation or 3 hrs
- GEB 4111 New Venture Finance or 3 hrs
- GEB 4435 Moral Foundations of Business or 3 hrs
- Any MAN Electives 3 hrs

General Management Track 24 hrs

Required Courses 15 hrs

- ISM 3530 Quality & Productivity Management and 3 hrs
- MAN 3301 Management of Human Resources and 3 hrs
- MAN 4240 Organizations: Theory and Behavior and 3 hrs
- MAN 4441 Conflict Resolution and Negotiation and 3 hrs
- MAN 4701 Business Ethics and Society 3 hrs

Elective Courses 9 hrs

- BUL 4540 Employment Law or 3 hrs
- GEB 3113 How to Start a Business or 3 hrs
- GEB 4110 Business Plan Preparation or 3 hrs
- GEB 4111 New Venture Finance or 3 hrs
- GEB 4435 Moral Foundations of Business or 3 hrs
- Any MAN Electives 3 hrs

Management Track: Entrepreneurship 24 hrs

Required Courses 12 hrs

- GEB 4110 Business Plan Preparation and 3 hrs
- GEB 4111 New Venture Finance and 3 hrs
- MAN 3025 Management of Organizations and 3 hrs
- MAN 4720 Strategic Management 4 hrs

Elective Courses 9 hrs

- BUL 4540 Employment Law or 3 hrs
- MAN Elective or 3 hrs
- MAN Elective or 3 hrs
- MAN Elective or 3 hrs

6. Capstone Requirements (4 hrs)

- MAN 4720 Strategic Management 4 hrs

- This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403C Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- (variable)

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
UCF Degree Programs

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF, Business students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting may be substituted with: ACG X001
- ACG 2021 Principles of Financial Accounting may be substituted with: ACG X011

Plan of Study
- Must complete 9 hours in a summer semester.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1506 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I Elective 3 hrs
- Elective 3 hrs

Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall
- Principles of Financial Accounting 3 hrs
- Principles of Microeconomics 3 hrs
- Science 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- Principles of Managerial Accounting 3 hrs
- Principles of Macroeconomics 3 hrs
- Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall
- General Management Track
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring
- General Management Track
  - ECO 3411 Quantitative Business Tools II 4 hrs
  - FIN 3403C Business Finance 4 hrs
  - ISM 3011C Essentials of Management Information Systems 4 hrs
  - MAR 3023 Marketing 4 hrs

Senior Year - Fall
- General Management Track
  - GEB 3375 Introduction to International Business 4 hrs
  - MAN 3301 Management of Human Resources 3 hrs
  - MAN 4240 Organizations: Theory and Behavior 3 hrs
  - MAN Elective 3 hrs

Senior Year - Spring
- General Management Track
  - MAN 4441 Conflict Resolution and Negotiation 3 hrs
  - MAN 4701 Business Ethics and Society 3 hrs
  - MAN 4720 Strategic Management 4 hrs
  - MAN Elective 3 hrs

Human Resource Management Track
- Junior Year - Fall
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - GEB 3375 Introduction to International Business 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr

Junior Year - Spring
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs

Senior Year - Fall
- ISM 3011C Essentials of Management Information Systems 4 hrs
- MAN 4240 Organizations: Theory and Behavior 3 hrs
- MAN 4320 Human Resources Recruitment and Selection 3 hrs
- MAN 4330 Compensation Administration 3 hrs

Senior Year - Spring
- MAN 4330 Compensation Administration 3 hrs
- Free Elective 3 hrs
- MAN 4350 Human Resources Recruitment and Selection 3 hrs
- MAN 4720 Strategic Management 4 hrs

Senior Year - Fall
- MAN 4720 Strategic Management 4 hrs
- MAN Elective 3 hrs
- MAN Elective 3 hrs

Note: All courses must be approved and recorded by the Office of the Registrar.
Entrepreneurship Track

**Junior Year - Fall**
- GEB 3031 Cornerstone: Professional Skills for Business **3 hrs**
- GEB 3375 Introduction to International Business **4 hrs**
- MAN 3025 Management of Organizations **4 hrs**
- MAR 3023 Marketing **4 hrs**
- GEB 3031L Cornerstone Lab: Professional Skills for Business **1 hr**

**Junior Year - Spring**
- BUL 3130 Legal and Ethical Environment of Business **4 hrs**
- ECO 3411 Quantitative Business Tools II **4 hrs**
- FIN 3403C Business Finance **4 hrs**
- MAN 4802 Entrepreneurship **3 hrs**

**Senior Year - Fall**
- ISM 3011C Essentials of Management Information Systems **4 hrs**
- MAN 3301 Management of Human Resources **3 hrs**

**Select 1:**
- FIN 3461 Financial Statement Analysis or **3 hrs**
- GEB 4111 New Venture Finance **3 hrs**

**Select 1:**
- MAR 3391 Professional Selling or **3 hrs**
- MAR 3641 Marketing Intelligence **3 hrs**

**Senior Year - Spring**
- Free Elective **2 hrs**
- GEB 4110 Business Plan Preparation **3 hrs**
- MAN 4720 Strategic Management **4 hrs**
- MAN Elective **3 hrs**
- MAN Elective **3 hrs**

- MAN Elective **3 hrs**

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Marketing (B.S.B.A.)

College of Business Administration

Department of Marketing, Business Administration II, Room: 101

http://www.bus.ucf.edu

Phone: 407-823-2184

Not eligible for a double degree with another College of Business Administration major.

**Admission Requirements**

- Completion of the UCF General Education program,
- Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department of school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB.
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Final exams will be given during Exam Week
- Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - MAR 3023 Marketing **4 hrs**

1. UCF General Education Program (GEP) **(36 hrs)**

A: Communication Foundations **(9 hrs)**
- Prefer SPC 1608 Fundamentals of Oral Communication **3 hrs**

B: Cultural & Historical Foundations **(9 hrs)**
- Required CGS 2100C Computer Fundamentals for Business **3 hrs**
  - Required MAC 1140 Pre-Calculus Algebra **3 hrs**

C: Mathematical Foundations **(6 hrs)**
- Required ECO 3401 Principles of Macroeconomics or **3 hrs**
  - Required ECO 2013 Principles of Microeconomics **3 hrs**

D: Social Foundations **(6 hrs)**
- Suggested ECO 2023 Principles of Macroeconomics **3 hrs**
  - Suggested ECO 2023 Principles of Microeconomics **3 hrs**

E: Science Foundations **(6 hrs)**

2. Common Program Prerequisites (CPP) **(18 hrs)**
- Must be completed with a “C” (2.0) or better
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - ACG 2021 Principles of Financial Accounting **3 hrs**
  - ACG 2071 Principles of Managerial Accounting **3 hrs**
  - CGS 2100C Computer Fundamentals for Business **3 hrs**
  - ECO 2013 Principles of Macroeconomics **3 hrs**
  - ECO 2023 Principles of Microeconomics **3 hrs**

Select one of the following sequences of courses:

- Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401
  - ECO 3401 Quantitative Business Tools I **3 hrs**
  - or MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I **3 hrs**

3. Core Requirements: Basic Level **(0 hrs)**
- None

4. Core Requirements: Advanced Level **(50 hrs)**

First or subsequent semester in the College of Business Administration:

- BUL 3130 Legal and Ethical Environment of Business **4 hrs**
- ECO 3411 Quantitative Business Tools II **4 hrs**
- FIN 3403C Business Finance **4 hrs**
- ISM 3011C Cornerstone: Professional Skills for Business **3 hrs**
- GEB 3031L Cornerstone Lab: Professional Skills for Business **1 hr**
- GEB 3375 Introduction to International Business **4 hrs**
- ISM 3011C Cornerstone Lab: Professional Skills for Business **3 hrs**
- ISM 3011C Cornerstone Lab: Professional Skills for Business **4 hrs**
- MAN 3025 Management of Organizations **4 hrs**
- MAR 3023 Marketing **4 hrs**

Required Courses **(18 hrs)**

- Required ECO 3401 Principles of Macroeconomics or **3 hrs**
  - Required ECO 2013 Principles of Microeconomics **3 hrs**

- Required ECO 3401 Principles of Macroeconomics or **3 hrs**
  - Required ECO 2013 Principles of Microeconomics **3 hrs**

1 Required in 1st or 2nd semester
5. Restricted Electives (6 hrs)

General Marketing
- Select a minimum of 2 courses from the following list of courses:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3721 E-Marketing 3 hrs
  - MAR 4156 International Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - MAR 4724 Strategic Foundations in Global E-Business 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4941 Marketing Internship 3 hrs

1 Either MAR 4156 or MAR 4724 (not both) may be taken as an elective.

Sales Track 9 hrs
- Admission by department approval: Restricted to declared marketing majors. Requires submission of application by May 1. Department faculty committee will select a maximum of 40 sales track participants based on academic achievement, work experience, outside activities and leadership positions, and responses to questions on the application form. Must have earned a grade of B (3.0) or higher in the following to apply:
  - MAR 3391 Professional Selling 3 hrs

Take all of the following: 9 hrs
- MAR 3403 Sales Force Management and 3 hrs
- MAR 4413C Strategic Issues in Sales-Lecture and 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs

- This course should be taken in the graduating term and requires the following prerequisites:
  - FIN 3403 Business Finance 4 hrs
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- (Variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Marketing: e-Marketing
- Marketing: Entertainment Marketing
- Marketing: Healthcare Marketing
- Marketing: Retailing Management
- Marketing: Selling and Sales Management
- Marketing: Services Marketing
- Marketing: Sport Marketing Management

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- 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.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs
- Elective 3 hrs
- Freshman Year - Spring 15 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105 College Algebra 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs
- Sophomore Year - Fall 15 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- Science 3 hrs
- Psy/Anti/Soc 3 hrs
- Elective 3 hrs
Sophomore Year - Spring 15 hrs
ACG 2071  Principles of Managerial Accounting 3 hrs
ECO 2013  Principles of Macroeconomics 3 hrs
ECO 3401  Quantitative Business Tools I 3 hrs
Science 3 hrs
Elective 3 hrs

Junior Year - Fall 16 hrs
ECO 3411  Quantitative Business Tools II 4 hrs
GEB 3031  Cornerstone: Professional Skills for Business 3 hrs
GEB 3375  Introduction to International Business 4 hrs
MAR 3023  Marketing 4 hrs

Senior Year - Fall 17 hrs
ISM 3011C  Essentials of Management Information Systems 4 hrs
MAN 3025  Management of Organizations 4 hrs
MAR 3403  Sales Force Management 3 hrs
MAR 4413C  Strategic Issues in Sales-Lecture 3 hrs
MAN 4720  Strategic Management 4 hrs

Senior Year - Spring 17 hrs
BUL 3130  Legal and Ethical Environment of Business 4 hrs
MAR 3613  Marketing Analysis and Research 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Mathematics - Applied Track (B.S.)

College of Sciences
Department of Mathematics, MAP, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Math Department
- Co-op or internship credit cannot be used in this major
- Students must earn at least a "C" (2.0) in each required course
- Students should consult with a departmental advisor
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF.
  - MAC 2311  Calculus with Analytic Geometry I 4 hrs
  - MAC 2312  Calculus with Analytic Geometry II 4 hrs
  - MAC 2313  Calculus with Analytic Geometry III 4 hrs
  - MAP 2302  Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

Physical Science:
- Required  PHY 2048C  Physics for Engineers & Scientists I 4 hrs

Life & Earth Science: Select one listed course. 3 hrs
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following:
  - COP 3323: Introduction to Programming with C (3 hrs)
  - MAC 2311: Calculus with Analytic Geometry I (GEP) (4 hrs)
  - MAC 2312: Calculus with Analytic Geometry II (4 hrs)
  - MAC 2313: Calculus with Analytic Geometry III (4 hrs)
  - MAP 2302: Differential Equations (3 hrs)
  - PHY 2048C: Physics for Engineers & Scientists I (GEP) (3 hrs)
  - PHY 2049C: Physics for Engineers & Scientists II (4 hrs)

#### 3. Core Requirements: Basic Level (3 hrs)
- COP 3502C: Computer Science I (GEP) (3 hrs)
- MAP 2302: Differential Equations (CPP) (3 hrs)
- PHY 2048C: Physics for Engineers & Scientists I (GEP/CPP) (3 hrs)
- PHY 2049C: Physics for Engineers & Scientists II (CPP) (3 hrs)

#### 4. Core Requirements: Advanced Level (42 hrs)
- COT 4500: Numerical Calculus (3 hrs)
- MAA 4226: Advanced Calculus I (4 hrs)
- MAP 4307: Applications of Complex Variables (Advanced Engineering Math Series) (3 hrs)
- MAP 4363: Applied Boundary Value Problems I (3 hrs)
- MAP 4364: Applied Boundary Value Problems II (3 hrs)
- MAS 3105: Matrix and Linear Algebra (4 hrs)
- MAS 3106: Linear Algebra (4 hrs)
- MHF 3302: Logic and Proof in Mathematics (3 hrs)
- STA 4212: Statistical Theory I (3 hrs)
- STA 4222: Statistical Theory II (3 hrs)

#### Select 1:
- ENC 3311: Advanced Expository Writing (3 hrs)
- ENC 3310: Magazine Writing I (3 hrs)
- ENC 3312: Advanced Expository Writing (3 hrs)

#### Select 1:
- MAD 4203: Applied Combinatorics (3 hrs)
- MAP 4153: Vector and Tensor Analysis (3 hrs)

#### 5. Restricted Electives (6 hrs)
- Note: Students must satisfy course prerequisites before enrolling in these courses.

#### A. Applied Elective: (3 hrs)
- COT 4210: Discrete Structures II or (3 hrs)
- COT 4400: Tools for Algorithm Analysis or (3 hrs)
- COT 5507: Computational Methods/Applications or (3 hrs)
- COT 5510: Computational Methods/Linear Systems or (3 hrs)
- EGN 3310: Engineering Analysis-Statics or (3 hrs)
- EGN 3322: Engineering Analysis-Dynamics or (3 hrs)
- EGN 3343: Thermodynamics or (3 hrs)
- EGN 3373: Principles of Electrical Engineering or (3 hrs)
- STA 4102: Computer Processing of Statistical Data or (3 hrs)
- STA 4641: Risk Theory and Decision or (3 hrs)
- STA 5103: Advanced Computer Processing of Statistical Data (3 hrs)

#### B. Biological or physical sciences Elective: (3 hrs)
- CHM 2210: Organic Chemistry I or (3 hrs)
- CHM 3410: Physical Chemistry I or (4 hrs)
- PCB 3044: Principles of Ecology or (3 hrs)
- PCB 3063: Genetics or (3 hrs)
- PCB 4302C: Physiochemical Limnology or (4 hrs)
- PCB 4303C: Biological Limnology or (4 hrs)
- PHY 3101: Physics for Engineers and Scientists III or (3 hrs)
- PHY 3323: Electricity and Magnetism I or (3 hrs)
- PHY 4324: Electricity and Magnetism II or (3 hrs)
- PHY 4424: Optics or (3 hrs)
- PHY 4604: Wave Mechanics I (3 hrs)

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

#### 8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program (sections 2-4 above)
- Participate in an exit interview
- Before applying to graduate, the CLAS must be completely satisfied.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Certificates**
- None

**Related Programs**
- Actuarial Science
- Aerospace Engineering
- Computer Engineering
- Computer Science
- Electrical Engineering
- Mathematics Education
- Mechanical Engineering
- Statistics

**Advising Notes**
- None

**Transfer Notes**
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

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**UNIVERSITY OF CENTRAL FLORIDA**

246 Undergraduate Catalog 2010-2011
Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF.
- Computer Programming course: may use any programming language course with a COP prefix. However knowledge of programming is still required.
- Physics course: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

Plan of Study

- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

- 13 hrs
- GEP: 3 hrs
- GEP: 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs
- STA 2023: Statistical Methods I 3 hrs

Freshman Year - Spring

- 16 hrs
- GEP: 3 hrs
- GEP: 3 hrs
- Free Elective: 3 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- MGF 3302: Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall

- 15 hrs
- GEP: 3 hrs
- MAC 2313: Calculus with Analytic Geometry III 4 hrs
- MAS 3105: Matrix and Linear Algebra 4 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring

- 14 hrs
- GEP: 3 hrs
- MAP 2302: Differential Equations 3 hrs
- MAS 3106: Linear Algebra 4 hrs
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall

- 15 hrs
- Free Elective: 3 hrs
- Core Course: 3 hrs
- COP 3223: Introduction to Programming with C 3 hrs
- MAP 4363: Applied Boundary Value Problems I 3 hrs

Junior Year - Spring

- 16 hrs
- Free Elective: 3 hrs
- GEP: 4 hrs
- COP 3502C: Computer Science I 3 hrs
- MAP 4307: Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
- MAP 4364: Applied Boundary Value Problems II 3 hrs

Senior Year - Fall

- 16 hrs
- Restricted Elective: 3 hrs
- COT 4500: Numerical Calculus 3 hrs
- MAA 4226: Advanced Calculus I 4 hrs
- STA 4321: Statistical Theory I 3 hrs

Senior Year - Spring

- 15 hrs
- Restricted Elective: 3 hrs
- Free Elective: 3 hrs
- MAP 4103: Mathematical Modeling I 3 hrs
- STA 4322: Statistical Theory II 3 hrs
- Writing Core: 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)

- Required: COP 3502C: Computer Science I 3 hrs
- Required: MAC 2311: Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

Physical Sciences: (4 hrs)

- Required: PHY 2048C: Physics for Engineers & Scientists I 4 hrs

Life Sciences: (3 hrs)

- Select one course listed in GEP E 2 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following:
- COP 3223: Introduction to Programming with C 3 hrs
- MAC 2311: Calculus with Analytic Geometry I GEP
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- MAC 2313: Calculus with Analytic Geometry III 4 hrs
- MAP 2302: Differential Equations 3 hrs
- PHY 2048C: Physics for Engineers & Scientists I GEP
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level (3 hrs)

- COP 3502C: Computer Science I GEP
- MAP 2302: Differential Equations CPP
- PHY 2048C: Physics for Engineers & Scientists I GEP/CPP
- PHY 2049C: Physics for Engineers and Scientists II CPP
- STA 2023: Statistical Methods I 3 hrs
## UCF Degree Programs

### 4. Core Requirements: Advanced Level (42 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Core Course</th>
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<tbody>
<tr>
<td>COP 3503C</td>
<td>Computer Science II</td>
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<tr>
<td>COT 4500</td>
<td>Numerical Calculus</td>
</tr>
<tr>
<td>ENC 3241</td>
<td>Writing for the Technical Professional</td>
</tr>
<tr>
<td>MAA 4226</td>
<td>Advanced Calculus I</td>
</tr>
<tr>
<td>MAD 4203</td>
<td>Applied Combinatorics</td>
</tr>
<tr>
<td>MAP 4307</td>
<td>Applications of Complex Variables (Advanced Engineering Math Series)</td>
</tr>
<tr>
<td>MAP 4363</td>
<td>Applied Boundary Value Problems I</td>
</tr>
<tr>
<td>MAP 4364</td>
<td>Applied Boundary Value Problems II</td>
</tr>
<tr>
<td>MAS 3106</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II</td>
</tr>
</tbody>
</table>

Select 1:

- COP 3100C Introduction to Discrete Structures or MAA 3302 Logic and Proof in Mathematics | 3 hrs
- MAP 4103 Mathematical Modeling I or MAP 4153 Vector and Tensor Analysis | 3 hrs

### 5. Restricted Electives (18 hrs)

Select 6:

- COP 3402 Systems Software or COP 4210 Discrete Structures | 4 hrs
- COP 4331C Processes for Object-Oriented Software or COP 4600 Operating Systems | 3 hrs
- EEL 4768C Computer Architecture or any MAA, MAD, MAP, MAS, or MTG upper division courses | 4 hrs

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Earn a grade of C (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science | 3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required

- 120

### Honors in Major

- None

### Related Programs

- Computer Science
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics Education
- Statistics

### Certificates

- None

### Related Minors

- Computer Science
- Physics
- Statistics

### Advising Notes

- None

### Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - Computer Programming: may use any programming language course with a COP prefix.
  - Physics: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

### Plan of Study

- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Core Course</th>
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<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>4 hrs</td>
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<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
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<td>STA 2023</td>
<td>Statistical Methods I</td>
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### Freshman Year - Spring

<table>
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</thead>
<tbody>
<tr>
<td>GEP</td>
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</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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<tr>
<td>MHP 3302</td>
<td>Logic and Proof in Mathematics</td>
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### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
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</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
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<tr>
<td>MAS 3105</td>
<td>Matrix and Linear Algebra</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
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</table>

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>MAS 3106</td>
<td>Linear Algebra</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
</tr>
</tbody>
</table>

### Junior Year - Fall

<table>
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<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COP 3223</td>
<td>Introduction to Programming with C</td>
</tr>
<tr>
<td>MAP 4363</td>
<td>Applied Boundary Value Problems I</td>
</tr>
</tbody>
</table>
Mathematics - Engineering/Physics Track (B.S.)

College of Sciences
Department of Mathematics, Math and Physics, Room: 207

http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a C (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  MAC 2311 Calculus with Analytic Geometry I 4 hrs
  MAC 2312 Calculus with Analytic Geometry II 4 hrs
  MAC 2313 Calculus with Analytic Geometry III 4 hrs
  MAP 2302 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
Required COP 3502C Computer Science I 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (7 hrs)
Required COP 3502C Computer Science I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)
Physical Sciences:
Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Sciences.
Select one course listed in GEP E 2.

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses below.

COP 3502C Computer Science I 3 hrs
MAP 2302 Differential Equations 3 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
PHY 2049C Physics for Engineers & Scientists II 4 hrs

Select one statistics course:
STA 2023 Statistical Methods I or 3 hrs
STA 3032 Probability and Statistics for Engineers 3 hrs

4. Core Requirements: Advanced Level (53 hrs)

EGN 3321 Engineering Analysis-Dynamics 3 hrs
MAA 4226 Advanced Calculus I 4 hrs
MAP 4153 Vector and Tensor Analysis 3 hrs
MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
MAP 4363 Applied Boundary Value Problems I 3 hrs
MAP 4364 Applied Boundary Value Problems II 3 hrs

Select 1:
COT 3100C Introduction to Discrete Structures or 3 hrs
MTH 3302 Logic and Proof in Mathematics 3 hrs

Select 1:
EML 3034C Modeling Methods in Mechanical and Aerospace Engineering or 3 hrs
MAP 4103 Mathematical Modeling I or 3 hrs
PHZ 3151 Computer Methods in Physics 3 hrs

Select 1:
COT 4500 Numerical Calculus or 3 hrs
EGN 3420 Engineering Analysis 3 hrs

Select 1:
MAD 4203 Applied Combinatorics or 3 hrs
MAS 3106 Linear Algebra 4 hrs

Select 1:
EGN 3310 Engineering Analysis-Statics or 3 hrs
PHY 3220 Mechanics I or 3 hrs

Select 1:
EGN 3373 Principles of Electrical Engineering or 3 hrs
PHY 3301 Physics for Engineers and Scientists III 3 hrs

Select 1:
CHM 2046 Chemistry Fundamentals II or 3 hrs
Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above

Select 1:
EGN 3358 Thermo-Fluids-Heat Transfer or 3 hrs
PHY 3513 Thermal and Statistical Physics or 3 hrs
Or any MAA, MAD, MAP, MAS, or MTG course at 3000 level or above
UCF Degree Programs

Select 1:  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628C</td>
<td>Industrial Engineering Applications of Computers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 PHY 3101</td>
<td>Physics for Engineers and Scientists III or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHZ 3113</td>
<td>Introduction to Theoretical Methods of Physics</td>
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</tr>
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Select 1:  
<table>
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<th>Course Name</th>
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<tbody>
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<td>CHM 2046</td>
<td>Chemistry Fundamentals II or</td>
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<tr>
<td>EEL 3004</td>
<td>Electrical Networks or</td>
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</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics or</td>
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</tr>
<tr>
<td>EGN 3331</td>
<td>Mechanics of Materials or</td>
<td>3 hrs</td>
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<tr>
<td>EML 4220</td>
<td>Vibration Analysis or</td>
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</tr>
<tr>
<td>ESI 4312</td>
<td>Operations Research or</td>
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</tr>
<tr>
<td>PHY 4604</td>
<td>Wave Mechanics I or</td>
<td>3 hrs</td>
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</table>

Select 1:  
<table>
<thead>
<tr>
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<td>CES 4100C</td>
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<tr>
<td>EAS 3101</td>
<td>Fundamentals of Aerodynamics or</td>
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</tr>
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<td>EEL 3004</td>
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<td>EGN 3331</td>
<td>Mechanics of Materials or</td>
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<tr>
<td>EIN 3000</td>
<td>Introduction to Industrial Engineering and</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Management Systems or</td>
<td></td>
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</table>

Select 2:  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWR 4101C</td>
<td>Hydrology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4203C</td>
<td>Hydraulics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4105</td>
<td>Flight Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4200</td>
<td>Flight Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4400</td>
<td>Spacecraft Attitude Dynamics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EAS 4505</td>
<td>Orbital Mechanics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEE 3342C</td>
<td>Digital Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3470</td>
<td>Electromagnetic Fields or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3552C</td>
<td>Analog and Digital Communication Fundamentals or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EEL 3657</td>
<td>Linear Control Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>Computer Organization or</td>
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<tr>
<td>EEL 4742C</td>
<td>Embedded Systems or</td>
<td>4 hrs</td>
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<tr>
<td>EEL 4750</td>
<td>Digital Signal Processing Fundamentals or</td>
<td>3 hrs</td>
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<tr>
<td>EEL 4832</td>
<td>Engineering Applications of Computer Methods or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEL 4851C</td>
<td>Engineering Data Structures or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis or</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EMA 4223</td>
<td>Fundamentals of Mechanical Behavior of Materials or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 3262</td>
<td>Kinematics of Mechanisms or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>Feedback Control or</td>
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</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II or</td>
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<td>ENV 4561</td>
<td>Environmental Engineering - Process Design or</td>
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<tr>
<td>ESI 4234</td>
<td>Quality Engineering or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4523C</td>
<td>Systems Simulation or</td>
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<tr>
<td>PHY 3323</td>
<td>Electricity and Magnetism I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 4324</td>
<td>Electricity and Magnetism II or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4321</td>
<td>Statistical Theory I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4322</td>
<td>Statistical Theory II or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

5. Restricted Electives (6 hrs)

Select 2:  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3502C</td>
<td>Computer Science I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

7. Foreign Language Requirements

Admissions

Graduation

8. Electives

Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

9. Additional Requirements

10. Required Requirements

11. Departmental Exit Requirements

12. University Minimum Exit Requirements

Total Semester Hours Required

120

1. (PHY 3101 may be selected only if EGN 3373 is also taken)

2. 3 hrs

3. 6 hrs

4. 4 hrs

5. 3 hrs
## Mathematics - Mathematical Economics Track
### (B.S.)
#### College of Sciences
#### Department of Mathematics, Math and Physics, Room: 207

http://math.ucf.edu

E-mail: math@mail.ucf.edu

Dr. H. Martin, MAP 215A, martin@math.ucf.edu

Phone: 407-823-5700

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics and Economics Departments.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.
- All mathematics courses, except the following, must either be taken from or approved by the Department of Mathematics at UCF.

### 1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36

#### A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

#### D: Social Foundations (6 hrs)

#### Select 1: (3 hrs)
- Required ECO 2013 Principles of Macroeconomics or 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 (7 hrs)

#### 1. Physical or Life Science designed for majors. (4 hrs)
- Required BSC 2010C Biology I or 4 hrs
- Required CHM 2045C Chemistry Fundamentals I or 4 hrs
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

---

### Table: Program Academic Learning Compacts

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 4363 Applied Boundary Value Problems I</td>
<td>3 hrs</td>
</tr>
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### Table: Plan of Study

#### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 2023 Statistical Methods I</td>
<td>3 hrs</td>
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</table>

#### Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
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#### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
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<tr>
<td>MAP 4153 Vector and Tensor Analysis</td>
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#### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Course</td>
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<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4226 Advanced Calculus I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series)</td>
<td>3 hrs</td>
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#### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAA 4226 Advanced Calculus I</td>
<td>4 hrs</td>
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#### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series)</td>
<td>3 hrs</td>
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#### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
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<tr>
<td>EGN 3321 Engineering Analysis-Dynamics</td>
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#### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 4364 Applied Boundary Value Problems II</td>
<td>3 hrs</td>
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</table>
2. Remaining Science Requirement 3 hrs
Complete the section of the Science GEP not yet taken. 3 hrs

2. Common Program Prerequisites (CPP) (14 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.
  COP 3223 Introduction to Programming with C 3 hrs
  MAC 2311 Calculus with Analytic Geometry I GEP
  MAC 2312 Calculus with Analytic Geometry II 4 hrs
  MAC 2313 Calculus with Analytic Geometry III 4 hrs
  MAP 2302 Differential Equations 3 hrs

Select a science course designed for majors: 4 hrs
  BSC 2010C Biology I or 4 hrs
  CHM 2045C Chemistry Fundamentals I or 4 hrs
  PHY 2048C Physics for Engineers & Scientists I 4 hrs

3. Core Requirements: Basic Level (26 hrs)
  ECO 2013 Principles of Macroeconomics 3 hrs
  ECO 2023 Principles of Microeconomics GEP
  ECO 3101 Intermediate Microeconomics 3 hrs
  ECO 3203 Intermediate Macroeconomics 3 hrs
  ECO 4451 Research Methods in Economics 3 hrs
  MAP 2302 Differential Equations CPP
  MAS 3105 Matrix and Linear Algebra 4 hrs
  MHP 3302 Logic and Proof in Mathematics 3 hrs
  STA 2023 Statistical Methods I GEP
  STA 4321 Statistical Theory I 3 hrs

Remaining Science Sequence
- Complete the science sequence started in the Common Program Prerequisites.
  PHY 204C Physics for Engineers and Scientists II 4 hrs
  or
  CHM 2046 Chemistry Fundamentals I 3 hrs
  CHM 2046L Chemistry Fundamentals Laboratory 1 hr
  or
  BSC 2011C Biology II 4 hrs

4. Core Requirements: Advanced Level (17 hrs)
  ECO 3410 Mathematical Economics 3 hrs
  ECO 4412 Econometrics 3 hrs
  MAA 4226 Advanced Calculus I 4 hrs
  MAP 4103 Mathematical Modeling I 3 hrs
  MAS 3106 Linear Algebra 4 hrs

5. Restricted Electives (18 hrs)
- Select three courses from each of the following two areas:
  Area 1 9 hrs
  COT 4500 Numerical Calculus 3 hrs
  MAD 4203 Applied Combinatorics 3 hrs
  MAP 4113 Probability, Random Processes and Applications I 3 hrs
  MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs
  MAP 4363 Applied Boundary Value Problems I 3 hrs
  Area 2 9 hrs
  ECO 3703 International Microeconomics 3 hrs
  ECO 4504 Public Economics 3 hrs
  ECO 4713 International Macroeconomics 3 hrs
  ECP 4303 Environmental and Natural Resource Economics 3 hrs
  ECP 4403 Industrial Organization and Game Theory 3 hrs
  STA 4322 Statistical Theory II 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

- Graduation
  None
UCF Degree Programs

Mathematics - Pure Track (B.S.)

College of Sciences
Department of Mathematics, Math and Physics, Room: 207

http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. H. Martin, MAP 215A, martin@math.ucf.edu, 407-823-5700
Phone: 407-823-6284

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.

Co-op or internship credit cannot be used in this major.
Students should consult with a departmental advisor.
Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
All mathematics courses, except the following, must be either taken from or approved by the Department of Mathematics at UCF:

MAC 2311 Calculus with Analytic Geometry I  4 hrs
MAC 2312 Calculus with Analytic Geometry II  4 hrs
MAC 2313 Calculus with Analytic Geometry III  4 hrs
MAP 2302 Differential Equations  3 hrs

1. UCF General Education Program (GEP)  (38 hrs)
- (Note: Certain courses must be selected for this major, bringing GEP hours above 36)

A: Communication Foundations  (9 hrs)

B: Cultural & Historical Foundations  (9 hrs)

C: Mathematical Foundations  (7 hrs)

Required  COP 3502C Computer Science I  3 hrs
Required  MAC 2311 Calculus with Analytic Geometry I  4 hrs

D: Social Foundations  (6 hrs)

E: Science Foundations  (7 hrs)

E.1: Physical Sciences  4 hrs
Required  PHY 2048C Physics for Engineers & Scientists I  4 hrs

E.2: Life & Earth Sciences:  3 hrs
Select a listed course  3 hrs

2. Common Program Prerequisites (CPP)  (18 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutions of certain courses.

3. Core Requirements: Basic Level  (3 hrs)

MAP 2302 Differential Equations  CPP
PHY 2048C Physics for Engineers & Scientists I  GEP/CPP
PHY 2049C Physics for Engineers and Scientists II  CPP

STA 2023 Statistical Methods I  3 hrs

4. Core Requirements: Advanced Level  (42 hrs)

COP 3502C Computer Science I  GEP
MAA 4226 Advanced Calculus I  4 hrs
MAA 4227 Advanced Calculus II  3 hrs
MAA 4203 Applied Combinatorics  3 hrs
MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series)  3 hrs

MAP 4363 Applied Boundary Value Problems I  3 hrs
MAS 3105 Matrix and Linear Algebra  4 hrs
MAS 3106 Linear Algebra  4 hrs
MAS 4301 Abstract Algebra I  3 hrs
MHS 3302 Logic and Proof in Mathematics  3 hrs
MTG 4302 Introduction to Topology  3 hrs
STA 4321 Statistical Theory I  3 hrs
STA 4322 Statistical Theory II  3 hrs

Select 1:  3 hrs
ENC 3241 Writing for the Technical Professional or
ENC 3310 Magazine Writing I or
ENC 3311 Advanced Expository Writing  3 hrs
5. Restricted Electives (3 hrs)
- Biological or physical sciences electives 3 hrs
  - Note: Students must satisfy course prerequisites before enrolling in these courses.

```
Select 1:  3 hrs
- CHM 2046 Chemistry Fundamentals I or 3 hrs
- CHM 2210 Organic Chemistry I or 3 hrs
- PCB 3044 Principles of Ecology or 3 hrs
- PCB 3063 Genetics or 3 hrs
- PCB 4302C Physiochemical Limnology or 4 hrs
- PCB 4303C Biological Limnology or 4 hrs
- PHY 3101 Physics for Engineers and Scientists III or 3 hrs
- PHY 3323 Electricity and Magnetism I or 3 hrs
- PHY 4424 Optics 3 hrs
```

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years high school or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - COP 3502C Computer Science I 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

```
Total Semester Hours Required 120
```

Honors In Major
- None

Related Programs
- Computer Science
- Mathematics - Applied Track
- Mathematics - Mathematical Economics Track
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Economics
- Mathematics
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
  - Computer Programming: may use any programming course with a COP prefix.
  - Physics: may use any PHY, CHM or BSC course with a lab designed for science majors; however, these Physics classes are core requirements and still must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall 13 hrs
- GEP 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

### Freshman Year - Spring 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MGF 3302 Logic and Proof in Mathematics 3 hrs

### Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers & Scientists I 4 hrs

### Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers & Scientists II 4 hrs

### Junior Year - Fall 15 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAS 4301 Abstract Algebra I 3 hrs

### Junior Year - Spring 16 hrs
- Restricted Elective 4 hrs
- Free Elective 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAP 4307 Applications of Complex Variables (Advanced Engineering Math Series) 3 hrs

### Senior Year - Fall 16 hrs
- GEP 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- STA 4321 Statistical Theory I 3 hrs

### Senior Year - Spring 16 hrs
- GEP 3 hrs
- Free Elective 4 hrs
- MAA 4227 Advanced Calculus II 3 hrs
- MTG 4302 Introduction to Topology 3 hrs
- STA 4322 Statistical Theory II 3 hrs
Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Mathematics Education (B.S.)
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/mathed

Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu, 407-823-4336

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet the foreign language admission requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (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)
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs
- Select 1: 3 hrs
  - Prefer ANT 2511 The Human Species or 3 hrs
  - Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Take all of the following: 9 hrs
- EDF 2005 Introduction to the Teaching Profession and 3 hrs
- EDF 2085 Introduction to Diversity for Educators and 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

 UCDF Degree Programs

3. Core Requirements: Basic Level (14 hrs)
- Students should consult advisor regarding course options.
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- MAC 2311 Calculus with Analytic Geometry I GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs
- STA 2023 Statistical Methods I GEP 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)

Education Core Requirements 18 hrs
- Prior to Internship I, the student must have completed EDG 4410 and at least 50% of all required mathematics courses must be completed prior to Internship I with a minimum grade of “C-” (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

EDF 4467 Learning Theory and Assessment 3 hrs
EDF 4463 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block 7 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

1 MAE 3840 Internship 3 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs

1 3 hours

Specialization Requirements 23 hrs
- A grade of “C-” (1.75) or better is required.
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- MAS 3203 Introduction to Number Theory 3 hrs
- 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

Internship II 12 hrs
- At least 80% of all required mathematics courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
UCF Degree Programs

- Passing scores on the Subject Area Examination (Mathematics 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II.
- Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

MAE 4941 Internship 12 hrs

5. Restricted Electives (0 hrs)

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall
EDF 2085 Introduction to Diversity for Educators 3 hrs
ENC 1101 Composition I 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
PSC 1121 Physical Science 3 hrs

Freshman Year - Spring
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1102 Composition II 3 hrs
MAC 2312 Calculus with Analytic Geometry II 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- ANT 2511 The Human Species or 3 hrs
- BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer
EDF 2005 Introduction to the Teaching Profession 3 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
PHI 2101 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
MAP 2302 Differential Equations 3 hrs
MHF 3302 Logic and Proof in Mathematics 3 hrs
POS 2041 American National Government 3 hrs
PSY 2012 General Psychology 3 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Spring
AMH 2020 U.S. History: 1877-Present 3 hrs
1. EDF 2130 Child and Adolescent Development for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs
MAS 3203 Introduction to Number Theory 3 hrs

1. Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
MTG 4212 Modern Geometries 4 hrs

Junior Year - Spring
MAE 4334 Programs in Teaching of Mathematics 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
STA 4163 Statistical Methods II 3 hrs
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Senior Year - Fall
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
MAE 3940 Internship 3 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs
MHF 4404 History of Mathematics 3 hrs

Senior Year - Spring
MAE 4941 Internship 12 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm
Mechanical Engineering (B.S.M.E.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@mail.ucf.edu
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137
Ms. Waheeda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Phone: 407-823-2416

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   The UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
   Required ENC 1101 Composition I 3 hrs
   Required ENC 1102 Composition II 3 hrs
   Select 1: 3 hrs
      Prefer SPC 1603 Fundamentals of Technical Presentations or Suggested SPC 1608 Fundamentals of Oral Communication
      Required ENC 1102 Composition II 3 hrs
      Required ENC 1101 Composition I 3 hrs

B: Cultural & Historical Foundations (9 hrs)
   Select two courses from Historical Foundations 6 hrs
   Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
   Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
   Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
   Select 1: 3 hrs
      Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
      Select one class from Social Foundations 3 hrs

E: Science Foundations (7 hrs)
   Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   Select one class from Science Foundations 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
   These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   ENC 1101 Composition I GEP
   ENC 1102 Composition II GEP
   1MAC 2311 Calculus with Analytic Geometry I GEP
   1MAC 2312 Calculus with Analytic Geometry II 4 hrs
   1MAC 2313 Calculus with Analytic Geometry III 4 hrs
   1MAP 2202 Differential Equations 3 hrs
   1PHY 2048C Physics for Engineers & Scientists I GEP
   PHY 2049C Physics for Engineers and Scientists II 4 hrs

Select 1:
- 2CHM 2040C Chemistry Fundamentals I A or
- 2CHM 2041C Chemistry Fundamentals IB or
- 1CHM 2045C Chemistry Fundamentals I or
- 1CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

1 A “C” (2.0) or better is required in this course.
2 A “C” (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.
3 A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence

3. Core Requirements: Basic Level (2 hrs)
   Required Courses: Basic 2 hrs
   - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing these courses, together with the core requirements, restricted electives, and senior design courses listed below.

   EGN 1006C Introduction to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (65 hrs)
   Required Courses: Advanced 44 hrs
   - 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.

   EGM 3601 Solid Mechanics 3 hrs
   EGN 3310 Engineering Analysis-Statics 3 hrs
   EGN 3321 Engineering Analysis-Dynamics 3 hrs
   EGN 3343 Thermodynamics 3 hrs
   EGN 3365 Structure and Properties of Materials 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs

   EML 3303C Mechanical Engineering Measurements 3 hrs
   EML 3500 Machine Design and Analysis 3 hrs
   EML 3701 Fluid Mechanics I 3 hrs
   EML 4142 Heat Transfer 3 hrs
   EML 4220 Vibration Analysis 3 hrs
   EML 4312C Feedback Control 3 hrs
   EML 4535C CAD/CAM 3 hrs
   STA 3032 Probability and Statistics for Engineers 3 hrs

Select one of the following three options for your senior year to complete your BSME:

Energy Systems Option 21 hrs
- EML 3101 Thermodynamics of Mechanical Systems and 3 hrs
- EML 4145 Topics in Heat Transfer and 2 hrs
- EML 4221C Mechanical Systems Experimental Techniques and 2 hrs
- EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
- EML 4703 Fluid Mechanics II and 3 hrs
- Approved Electives 9 hrs

Mechanical Systems Option 21 hrs
- EGM 3601L Solid Mechanics Lab and 2 hrs
- EML 3262 Kinematics of Mechanisms and 3 hrs
- EML 4221C Mechanical Systems Experimental Techniques and 2 hrs
- EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
- Approved Electives 12 hrs

Materials Option 21 hrs
- EMA 3012C Experimental Techniques in Mechanics and Materials and 3 hrs
- EMA 3124 Design and Selection of Materials and 3 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials and 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials and 3 hrs
- Approved Electives 9 hrs

5. Restricted Electives (0 hrs)
   - Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.
   http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf

UCF Degree Programs
UCF Degree Programs

6. Capstone Requirements (6 hrs)
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

Select 1:
- EGN 4412C Interdisciplinary Design I or 3 hrs
- EML 4501C Engineering Design I 3 hrs

Select 1:
- EGN 4413C Interdisciplinary Design II or 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
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Aerospace Engineering

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes

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
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses may be substituted by an approved Mechanical Engineering technical elective for transfer students. However, students may take EGN 1007C in the Spring semester if they do not have knowledge of Mathcad or Mathlab.

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their Department to develop and maintain an appropriate plan of study.

- Mechanical Systems Option:

Freshman Year - Fall
- GEP 3 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1:
- CHM 2040C Chemistry Fundamentals IA or 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs

Freshman Year - Summer
- GEP 6 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

Sophomore Year - Fall
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAP 2302 Differential Equations 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Sophomore Year - Spring
- EGN 3601 Solid Mechanics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs

Sophomore Year - Summer
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs

Junior Year - Fall
- GEP 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EML 3500 Machine Design and Analysis 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 3990 Mechanical Career and Academic Faculty Advising I 0 hrs

Junior Year - Spring
- Upper Division Elective 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 4220 Vibration Analysis 3 hrs
- EML 4535C CAD/CAM 3 hrs

Senior Year - Fall
- GEP 3 hrs
- EML 3262 Kinematics of Mechanisms 3 hrs
- EML 4221C Mechanical Systems Experimental Techniques 2 hrs
- EML 4312C Feedback Control 3 hrs
- EML 4991 Mechanical Career and Academic Faculty Advising II 0 hrs
### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

<table>
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<th>Select 1:</th>
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<tbody>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I or</td>
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<tr>
<td>EML 4501C</td>
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### Senior Year - Spring

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<td>EGM 3601L</td>
<td>Solid Mechanics Lab</td>
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<tr>
<td>EML 4304C</td>
<td>Design of Thermo-Fluid Experiment</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II or</td>
</tr>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II</td>
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### Energy Systems Option

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<td>EML 4221C</td>
<td>Mechanical Systems Experimental Techniques</td>
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<td>EML 4312C</td>
<td>Feedback Control</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II</td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
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<td>EGN 4412C</td>
<td>Interdisciplinary Design I or</td>
</tr>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
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### Senior Year - Summer

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<td>Select 1:</td>
<td>3 hrs</td>
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<td>EGN 4413C</td>
<td>Interdisciplinary Design II or</td>
</tr>
<tr>
<td>EML 4502C</td>
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### Materials Option

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<td>EMA 4102</td>
<td>Thermodynamics and Kinetics of Materials</td>
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<td>EML 4312C</td>
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<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II</td>
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<td>Select 1:</td>
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<td>EGN 4412C</td>
<td>Interdisciplinary Design I or</td>
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<td>EML 4501C</td>
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</tr>
</tbody>
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### UCF Degree Programs

**Medical Laboratory Sciences (B.S.)**

**College of Medicine**

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

[http://www.biomed.ucf.edu](http://www.biomed.ucf.edu)

Dr. P.E. Kolattukudy, Chair

Ms. Dorilyn Hitchcock, Program Director, hitchcod@mail.ucf.edu

Phone: 407-823-5932

**Admission Requirements**

- Acceptance to the university does not necessarily constitute admission to the upper division Medical Laboratory Sciences program.
- Separate application to the limited access program should be made directly to the program in the Spring of the year admission is sought. Applications will be accepted until the class is filled.
- UCF application must also be submitted prior to program application. Acceptance to UCF is necessary before acceptance to the program can occur.
- Student must complete all general education, foreign language admissions, and program prerequisites prior to the start of the program.
- This limited access program is work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one-year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- All applicants must have a minimum overall GPA of 2.5, and complete all program prerequisite courses with at least a grade of "C" (2.0).

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program, Foreign Language Admissions and the Common Program Prerequisite Requirements before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum overall GPA of 2.5 and a minimum grade of “C” (2.0) in prerequisite and major courses is required for admission to, continuation in, and graduation from the Medical Laboratory Sciences Program.
- UCF Residency Requirement: 32 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.
- An FDLE background check and Board of Clinical Lab Personnel trainees license are required.

### 1. UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations** (9 hrs)

**B: Cultural & Historical Foundations** (9 hrs)

**C: Mathematical Foundations** (6 hrs)

Prefer MAC 1105 College Algebra

Required STA 2023 Statistical Methods I

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (8 hrs)

Required BSC 2010C Biology I

Required CHM 2045C Chemistry Fundamentals I
UCF Degree Programs

2. Common Program Prerequisites (CPP) (25 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   - BSC 2010C  Biology I  GEP
   - 1 MCB 3020C  General Microbiology  5 hrs
   - 1 PCB 3703C  Human Physiology  4 hrs
   - STA 2023  Statistical Methods I  GEP
   - 1 ZOO 3733C  Human Anatomy  4 hrs

   Take all of the following: 4 hrs
   - CHM 2046C  Chemistry Fundamentals I and GEP
   - CHM 2046  Chemistry Fundamentals II and
   - CHM 2046L  Chemistry Fundamentals Laboratory  1 hr

   Take all of the following: 8 hrs
   - CHM 2210  Organic Chemistry I  3 hrs
   - CHM 2211  Organic Chemistry II and
   - CHM 2211L  Organic Laboratory Techniques I  2 hrs

   1 See Transfer Notes

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (64 hrs)
   - BSC 3403C  Quantitative Biological Methods  4 hrs
   - CGS 1060C  Introduction to Computer Science  3 hrs
   - MLS 3220C  Techniques in Clinical Microscopy  3 hrs
   - MLS 3305  Hematology  3 hrs
   - MLS 3305L  Hematology Lab  1 hr
   - MLS 3705  Concepts in Education/Management  3 hrs
   - MLS 4334  Hemostasis  3 hrs
   - MLS 4430C  Clinical Parasitology  2 hrs
   - MLS 4460C  Clinical Pathogenic Microbiology  5 hrs
   - MLS 4505C  Immunodiagnostics  3 hrs
   - MLS 4550C  Clinical Immunohematology  4 hrs
   - MLS 4625  Advanced Clinical Chemistry I  3 hrs
   - MLS 4625L  Advanced Clinical Chem I Lab  1 hr
   - MLS 4630  Advanced Clinical Chemistry II  3 hrs
   - MLS 4830C  Interpretive & Practical Clinical Chemistry  4 hrs
   - MLS 4831C  Interpretive & Practical Immunohematology  4 hrs
   - MLS 4832C  Interpretive & Practical Hematology  4 hrs
   - MLS 4833C  Diagnostic Microbiology  4 hrs
   - MLS 4910L  Introduction to Clinical Research  1 hr
   - MLS 4933  Medical Technology Seminar  2 hrs
   - PCB 3233C  Immunology  3 hrs
   - PCB 3233L  Immunology Laboratory  1 hr

   5. Restricted Electives (0 hrs)
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements

   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - A minimum 2.5 overall GPA is required for clinical assignment.
    - The degree in Medical Laboratory Sciences will be awarded upon satisfactory completion of the University's didactic component and the clinical component in affiliated hospital laboratories.

Upon receiving the degree in Medical Laboratory Sciences, the graduate will be eligible to take a national certification examination and then qualify for State Licensure.

Students must earn a grade of “C” (2.0) or higher in required courses with a minimum 2.5 overall GPA for graduation.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

    Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 126

Honors in Major
- None

Related Programs
- Biology
- Chemistry
- Molecular Biology and Microbiology

Certificates
- None

Related Minors
- Biology
- Chemistry
- Molecular Biology and Microbiology

Advising Notes
- None

Transfer Notes
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Acceptable Substitutes for Transfer Courses
- MCB 3020C  General Microbiology  5 hrs
- may be substituted with: MCB 2010C
- Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)  8 hrs

Plan of Study

Freshman Year - Fall 16 hrs
- CGS 1060C  Introduction to Computer Science  3 hrs
- CHM 2046C  Chemistry Fundamentals I  4 hrs
- ENC 1101  Composition I  3 hrs
- MAC 1105  College Algebra  3 hrs
- SPC 1608  Fundamentals of Oral Communication  3 hrs

Freshman Year - Spring 17 hrs
- BSC 2010C  Biology I  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
- ENC 1102  Composition II  3 hrs
- STA 2023  Statistical Methods I  3 hrs

Select 1: 3 hrs
- ANT 2000  General Anthropology or  3 hrs
- PSY 2012  General Psychology or  3 hrs
- SYG 2000  Introduction to Sociology  3 hrs

Sophomore Year - Fall 16 hrs
- CHM 2210  Organic Chemistry I  3 hrs
- ZOO 3733C  Human Anatomy  4 hrs

Select 1: 3 hrs
- ECO 2013  Principles of Macroeconomics or  3 hrs
- POS 2041  American National Government  3 hrs
Select 1:  
AMH 2010  U.S. History: 1492-1877 or 3 hrs  
EUH 2000  Western Civilization I or 3 hrs  
HUM 2210  Humanistic Tradition I 3 hrs  

Select 1:  
MUL 2010  Enjoyment of Music or 3 hrs  
PHI 2010  Introduction to Philosophy or 3 hrs  
REL 2300  World Religions or 3 hrs  
THE 2000  Theatre Survey 3 hrs  

Take all of the following:  

Sophomore Year - Spring  
CHM 2211  Organic Chemistry II 3 hrs  
CHM 2211L  Organic Laboratory Techniques I 2 hrs  
MCB 3020C  General Microbiology 5 hrs  
PCB 3703C  Human Physiology 4 hrs  

Select 1:  
AMH 2020  U.S. History: 1877-Present or 3 hrs  
EUH 2001  Western Civilization II or 3 hrs  
HUM 2230  Humanistic Tradition II 3 hrs  

Junior Year - Fall  
MLS 3220C  Techniques in Clinical Microscopy 3 hrs  
MLS 4430C  Clinical Parasitology 2 hrs  
MLS 4625  Advanced Clinical Chemistry I 3 hrs  
MLS 4625L  Advanced Clinical Chem I Lab 1 hr  
PCB 3233  Immunology 3 hrs  
PCB 3233L  Immunology Laboratory 1 hr  

Junior Year - Spring  
MLS 3305  Hematology 3 hrs  
MLS 3305L  Hematology Lab 1 hr  
MLS 4460C  Clinical Pathogenic Microbiology 5 hrs  
MLS 4630  Advanced Clinical Chemistry II 3 hrs  

Junior Year - Summer  
MLS 4334  Hemostasis 3 hrs  
MLS 4550  Clinical Immunohematology 4 hrs  

Senior Year - Fall  
MLS 4830C  Interpretive & Practical Clinical Chemistry 4 hrs  
MLS 4831C  Interpretive & Practical Immunohematology 4 hrs  
MLS 4832C  Interpretive & Practical Hematology 4 hrs  
MLS 4833C  Diagnostic Hematology 4 hrs  

Senior Year - Spring  
BSC 3430C  Quantitative Biological Methods 4 hrs  
MLS 3705  Concepts in Education/Management 3 hrs  
MLS 4505C  Immunodiagnostics 3 hrs  
MLS 4910  Introduction to Clinical Research 1 hr  
MLS 4933  Medical Technology Seminar 2 hrs  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm  

Equipment Fees  
- Part-Time Student: $39 per term  
- Full-Time Student: $78 per term  

Modern Language Combination (B.A.)  
College of Arts and Humanities  
Department of Modern Languages and Literatures,  
Colbourn Hall, Room: 523  
http://mll.cah.ucf.edu/  
E-mail: forlang@mail.ucf.edu  
Dr. Paul Giordano, 407-823-2472  

Placement in Language courses: Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor. Native speakers or students who have received advanced education abroad must substitute select classes.  

Admission Requirements  
- None  

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- Language combinations may consist of French, German or Spanish as a first language and any of those three as a second language, as well as Italian.  
- 24 credits in the first language and 15 credits in the second must be taken at the 3000 level or above.  
- At least 33 credit hours must be taken in Modern Language courses taught in the target language.  
- Students must earn at least a “C” (2.0) in each upper division foreign language course.  
- Co-op or internship credit cannot be used in this major.  
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.  
- Language credit by exam will not be given in courses lower in level than those in which credit by Examination in literature courses only.  
- Students must see their departmental advisor for counseling and schedule approval before registering.  
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.  

1. UCF General Education Program (GEP)  
(36 hrs)  

A: Communication Foundations  
(9 hrs)  

B: Cultural & Historical Foundations  
(9 hrs)  

C: Mathematical Foundations  
(6 hrs)  

1 Required  MGF 1106  Finite Mathematics 3 hrs  

Select 1:  
Prefer CGS 1060C  Introduction to Computer Science or 3 hrs  
Prefer STA 1060C  Basic Statistics Using Microsoft Excel 3 hrs  

1 (may substitute a higher level math)  

D: Social Foundations  
(6 hrs)  

E: Science Foundations  
(6 hrs)  

2. Common Program Prerequisites (CPP)  
(0 hrs)  

- Completion of intermediate level of proficiency.  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  

3. Core Requirements: Basic Level  
(0 hrs)  

- None  

4. Core Requirements: Advanced Level  
(39 hrs)  

First Language (French, German or Spanish)  
(24 hrs)  

Composition (Select One)  
3 hrs  
1 FRE 3420  French Composition or 3 hrs  
1 FRE 4422  Advanced French Composition or 3 hrs  
2 GER 3420  Intensive German Composition or 3 hrs  
1 SPN 3420  Spanish Composition 3 hrs  

Oral Communication (Select One)  
3 hrs  
1 FRE 3760  Advanced French Oral Communication or 3 hrs  
1 FRE 4421  Advanced French Conversation or 3 hrs  
2 GER 3760  Advanced German Oral Communication or 3 hrs  
1 SPN 3760  Advanced Spanish Oral Communication or 3 hrs  

Linguistics (Select One)  
3 hrs  
1 FOL 3730  Romance Philology or 3 hrs  
FRE 3780  French Phonetics and Diction or 3 hrs  
GER 3780  German Phonetics and Diction or 3 hrs  
SPN 4800  Spanish Phonetics or 3 hrs  
SPN 4801  Spanish-American Syntax or 3 hrs  
SPN 4802  Spanish Morphology or 3 hrs  

Modern Language Combination (B.A.)  
College of Arts and Humanities  
Department of Modern Languages and Literatures,  
Colbourn Hall, Room: 523  
http://mll.cah.ucf.edu/  
E-mail: forlang@mail.ucf.edu  
Dr. Paul Giordano, 407-823-2472  

Placement in Language courses: Placement in language courses is based on one year of high school language being equivalent to one semester of college work. Students must consult an advisor. Native speakers or students who have received advanced education abroad must substitute select classes.
UCF Degree Programs

Literature (select one sequence)
- SPW 3100 Survey of Spanish Literature I  3 hrs
- SPW 3101 Survey of Spanish Literature II  3 hrs
or
- SPW 3130 Survey of Latin-American Literature I  3 hrs
- SPW 3131 Survey of Latin-American Literature II  3 hrs
or
- FRW 3100 Survey of French Literature I  3 hrs
- FRW 3101 Survey of French Literature II  3 hrs
or
- GEW 3100 Survey of German Literature I  3 hrs
- GEW 3101 Survey of German Literature II  3 hrs

1 A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

Second Language (French, German, Spanish or Italian)  15 hrs
Communication (Select One)
- FRE 3420 French Composition or  3 hrs
- GER 3420 Intensive German Composition or  3 hrs
- ITA 3420 Italian Composition or  3 hrs
- SPN 3420 Spanish Composition  3 hrs

Advanced Oral Communication (select one)  3 hrs
- FRE 3760 Advanced French Oral Communication or  3 hrs
- GER 3760 Advanced German Oral Communication or  3 hrs
- ITA 3760 Advanced Italian Oral Communication or  3 hrs
- SPN 3760 Advanced Spanish Oral Communication  3 hrs

5. Restricted Electives  (0 hrs)
Restricted Electives in the First Language  9 hrs
chosen with departmental advisor

Restricted Electives in the Second Language  9 hrs
chosen with departmental advisor

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Met by Graduation requirements.
Graduation
- Met by degree program requirements (four semesters or proficiency).

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or higher in at least 39 hrs of upper division Modern Language courses
- Students are required to satisfactorily complete a departmental exit exam (primary track)
- Computer Competency met by the following: CGS 1060C Introduction to Computer Science  3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hrs of course work must be completed in residency at UCF
- A maximum of 45 hrs of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  120

Honors in Major
- None

Related Programs
- French
- Spanish

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall  16 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- ENC 1101 Composition I  3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Spring  16 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- 1 CPP  4 hrs
- ENC 1102 Composition II  3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Fall  16 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- 1 GEP  3 hrs
- 1 CPP  4 hrs
- FRE 1120C Elementary French Language and Civilization I  4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

2 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
Sophomore Year - Spring 15 hrs
1 GEP 3 hrs
1 Core Course 3 hrs
1 Restricted Elective 2 hrs
1 Restricted Elective 3 hrs
FRE 1121C Elementary French Language and Civilization II 4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Junior Year - Fall 15 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Restricted Elective 3 hrs
FRE 2200 Intermediate French Language and Civilization I 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Junior Year - Spring 15 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
2 Core Course 3 hrs
2 Restricted Elective 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Fall 15 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Restricted Elective 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Spring 12 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Core Course 3 hrs
1 Restricted Elective 3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Molecular Biology and Microbiology (B.S.)
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbsinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.

1. UCF General Education Program (GEP) (38 hrs)
- Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations
- Select 1: MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I 4 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I GEP
BSC 2011C Biology II

CHM 2045C Chemistry Fundamentals I GEP

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

MAC 2311 Calculus with Analytic Geometry I GEP

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
PHY 2054C College Physics II and

PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers and Scientists II and

1 See Transfer Notes for possible substitutions.

3. Core Requirements: Basic Level (8 hrs)

Math, Statistics, Computer
- Select 1: MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I 4 hrs
UCF Degree Programs

Select 1: 3 hrs
- CGS 1060C Introduction to Computer Science or
- STA 2023 Statistical Methods I

Chemistry

Take all of the following: 8 hrs
- CHM 2110 Organic Chemistry I and
- CHM 2111 Organic Chemistry II and
- CHM 2111L Organic Laboratory Techniques I

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences
- BSC 3403C Quantitative Biological Methods 4 hrs
- MCB 3020C General Microbiology 5 hrs
- MCB 4414 Microbial Metabolism 3 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs

Chemistry
- BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (0 hrs)

(7 courses minimum)
- (Seven courses from the list below, no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.)

- 1 BCH 4054 Biochemistry II 3 hrs
- 1 BCH 4103L Biochemical Methods 2 hrs
- 1 BOT 4434C General Microbiology 4 hrs
- 1 MCB 3202 Principles of Infectious Disease 3 hrs
- 1 MCB 3203 Pathogenic Microbiology 3 hrs
- 1 MCB 3203L Pathogenic Microbiology 1 hr
- 1 MCB 3404B Bacterial Genetics and Physiology 3 hrs
- 1 MCB 4114C Determinative & Systemic Microbiology 4 hrs
- 1 MCB 4203 Infectious Processes 3 hrs
- 1 MCB 4204 Cellular Microbiology: Host-Pathogen Interactions 3 hrs
- 1 MCB 4276 Epidemiology of Infectious Diseases 3 hrs
- 1 MCB 4503C Virology 3 hrs
- 1 MCB 4603 Environmental Microbiology 3 hrs
- 1 MCB 4721C Methods in Biotechnology 4 hrs
- 1 MCB 4970H Honors Undergraduate Thesis II 3 hrs
- 1 MCB 5225 Molecular Biology of Disease 3 hrs
- 1 MCB 5654 Applied Microbiology 3 hrs
- 1 MCB 5932 Current Topics in Molecular Biology 3 hrs
- 1 MLS 3200C Techniques in Clinical Microscopy 3 hrs
- 1 MLS 3305 Hematology 3 hrs
- 1 MLS 4334 Hemostasis 3 hrs
- 1 MLS 4430C Clinical Parasitology 2 hrs
- 1 MLS 4503C Immunodiagnostics 3 hrs
- 1 MLS 4625 Advanced Clinical Chemistry I 3 hrs
- 1 MLS 4630 Advanced Clinical Chemistry II 3 hrs
- 1 PCB 3063 Genetics 3 hrs
- 1 PCB 3703C Human Physiology 4 hrs
- 1 PCB 4028 Molecular and Cellular Pharmacology 3 hrs
- 1 PCB 4174 Foundation of Bio-Imaging Science 3 hrs
- 1 PCB 4235 Cancer Biology 3 hrs
- 1 PCB 4251 Tissue Engineering 3 hrs
- 1 PCB 4264 Stem Cell Biology 3 hrs
- 1 PCB 4614B Genetics II 3 hrs
- 1 PCB 4529 Experimental Molecular Biology 3 hrs
- 1 PCB 4805C Endocrinology 3 hrs
- 1 PCB 5236 Cancer Biology 3 hrs
- 1 PCB 5238 Immunology 3 hrs
- 1 PCB 5275 Signal Transduction Mechanisms 3 hrs
- 1 ZOO 3701C Human Gross Anatomy & Dissection 3 hrs
- 1 ZOO 3733C Human Anatomy 4 hrs
- 1 ZOO 3744C Neurobiology 3 hrs
- 1 ZOO 4003C Embryology/Development 5 hrs
- 1 ZOO 4505 Medical Laboratory Sciences
- 1 ZOO 4747C Clinical Neuroscience 4 hrs
- 1 ZOO 4530C Vertebrate Histology 4 hrs
- 1 ZOO 5745C Essentials of Neuroanatomy 4 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable. Students are encouraged to participate in undergraduate research if interested in pursuing graduate or professional education.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- A minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following course with a grade of B or better (4 credits):
  - PCB 3404H Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits):
  - MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs

- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences
### Acceptable Substitutes for Transfer Courses

- **BSC 2011C** Biology II may be substituted with: CHM 3403C
- **CHM 2045C** Chemistry Fundamentals I may be substituted with: CHM 2040C
- **CHM 2045C** Chemistry Fundamentals I may be substituted with: CHM 2041C

### Plan of Study

#### Freshman Year - Fall
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs

#### Select 1:
- **ANT 2000** General Anthropology or
- **PSY 2012** General Psychology or
- **SYG 2000** Introduction to Sociology 3 hrs

#### Freshman Year - Spring
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- MAC 1114 College Trigonometry 3 hrs

#### Select 1:
- **ANT 2000** American National Government or
- **PSY 2012** General Psychology or
- **SYG 2000** Introduction to Sociology 3 hrs

#### Sophomore Year - Fall
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs

#### Select 1:
- **MAC 2253** Applied Calculus I or
- **MAC 2311** Calculus with Analytic Geometry I 4 hrs

#### Select 1:
- **AMH 2010** U.S. History: 1492-1877 or
- **EUH 2000** Western Civilization I or
- **HUM 2210** Humanistic Tradition I or
- **WOH 2012** World Civilization I 3 hrs

#### Sophomore Year - Spring
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs

#### Select 1:
- **CGS 1060C** Introduction to Computer Science or
- **STA 2023** Statistical Methods I 3 hrs

#### Select 1:
- **AMH 2020** U.S. History: 1877-Present or
- **EUH 2001** Western Civilization II or
- **HUM 2230** Humanistic Tradition II or
- **WOH 2022** World Civilization II 3 hrs

#### Junior Year - Fall
- **BSC 2011C** Biology II 4 hrs
- **PCB 3522** Molecular Biology I 3 hrs

#### Select 1:
- **PHY 2048C** Physics for Engineers & Scientists I or
- **PHY 2053C** College Physics I 4 hrs

#### Select 1:
- **ECO 2013** Principles of Macroeconomics or
- **POS 2041** American National Government 3 hrs

1. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

2. Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

### Equipment Fees
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

### College of Medicine

#### Burnett School of Biomedical Sciences

- **Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**
- **http://www.biomed.ucf.edu**
- **E-mail: bcbsinfo@mail.ucf.edu**
- **Dr. P. E. Kolattukudy, Chair**
- **Phone: 407-823-5932**

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

#### Admission Requirements
- None
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Pre-health Advisement Office in HPA 124.

1. UCF General Education Program (GEP) (36 hrs)

- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select 1: 3 hrs
Required CGS 1060C Introduction to Computer Science or Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)

Required MAC 2311 Calculus with Analytic Geometry I 3 hrs
Required or CHM 2045C Chemistry Fundamentals I 3 hrs

D: Social Foundations (6 hrs)

Required BSC 2010C Biology I 3 hrs
Required or CHM 2046 Chemistry Fundamentals II 3 hrs
Required CHM 2046L Chemistry Fundamentals Laboratory 1 hr
Required MAC 2311 Calculus with Analytic Geometry I 3 hrs

Select one of the following sequences of courses:

PHY 2049C Physics for Engineers & Scientists II 4 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
or
PHY 2049C Physics for Engineers & Scientists I 4 hrs
PHY 2048C Physics for Engineers & Scientists II 4 hrs

1. Common Program Prerequisites (CPP) (16 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I 4 hrs
1 CHM 2045C Chemistry Fundamentals I 4 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I 3 hrs

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
PHY 2054C College Physics II 4 hrs
or
PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers & Scientists II 4 hrs

1 See Transfer Notes for possible substitutions

3. Core Requirements: Basic Level (10 hrs)

Life Sciences: Basic
SLS 2311C Overview of Select Medical Careers 2 hrs

Math, Statistics, Computers

Select 1: 4 hrs
MAC 2253 Applied Calculus I or MAC 2311 Calculus with Analytic Geometry I GEP

Select 1: 3 hrs
CGS 1060C Introduction to Computer Science or STA 2023 Statistical Methods I GEP

Chemistry

Take all of the following: 8 hrs
CHM 2210 Organic Chemistry I and 3 hrs
CHM 2211 Organic Chemistry II and 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced
BSC 3403C Quantitative Biological Methods 4 hrs
MCB 3020C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4239 Molecular Immunology 3 hrs
PCB 4524 Molecular Biology II 3 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives (0 hrs)

Seven courses minimum

- Seven courses from below, of which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.

- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:

BCH 4054 Biochemistry II 3 hrs
MCB 3202 Principles of Infectious Disease 3 hrs
MCB 3203 Pathogenic Microbiology 3 hrs
MCB 3203L Pathogenic Microbiology 1 hr
MCB 3404 Bacterial Genetics and Physiology 3 hrs
MCB 4203 Infectious Processes 3 hrs
MCB 4276 Epidemiology of Infectious Diseases 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
MCB 4503C Virology 3 hrs
MCB 4970H Honors Undergraduate Thesis II 3 hrs
MCB 5225 Molecular Biology of Disease 3 hrs
MLS 3305 Hematology 3 hrs
MLS 4334 Hemostasis 3 hrs
MLS 4430C Clinical Parasitology 2 hrs
MLS 4505C Immunodiagnostics 3 hrs
PCB 3063 Genetics 3 hrs
PCB 3703C Human Physiology 4 hrs
PCB 4028 Molecular and Cellular Pharmacology 3 hrs
PCB 4235 Cancer Biology 3 hrs
PCB 4514 Genetics II 3 hrs
PCB 4805 Endocrinology 3 hrs
PCB 5238 Immunobiology 3 hrs
ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

ZOO 3733C Human Anatomy 4 hrs
ZOO 3744 Neurobiology 3 hrs
ZOO 4603C Embryology/Development 5 hrs
ZOO 4605 Human Clinical Embryology and Congenital Malformation 3 hrs
ZOO 4704C Clinical Neuroanatomy and Neurosience 4 hrs
ZOO 4747C Clinical Neuroscience 4 hrs
ZOO 4753C Vertebrate Histology 4 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- 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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Application and admission through the Department and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major and maintain a 3.2 UCF GPA; 3.5 in the major; 3.2 cumulative average for graded upper division courses regardless of the institution.
- Complete the following with a grade of B or better (4 credits)
- BSC 3403H Quantitative Biological Methods-Honors 4 hrs
- Complete the following with a grade of B or better and successfully complete the oral defense of the Honors Thesis (3 credits)
- MCB 4970H Honors Undergraduate Thesis II 1 hr

Related Programs
- Biology
- Biotechnology
- Chemistry
- Medical Laboratory Sciences

Certificates
- None

Related Minors
- Biology
- Chemistry

Advising Notes
- None

Transfer Notes
- Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF. Students may elect to take Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) at UCF in order to meet the University’s requirement that students complete 48 semester hours of upper division (3000/4000 level) credit. Students meeting the Human Anatomy and Physiology I & II requirement at the community college (lower division) must take an additional 8 (eight) hours of upper division coursework at UCF.

Acceptable Substitutes for Transfer Courses
- BSC 2011C Biology II 4 hrs
- may be substituted with: BSC 3403C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2040C
- CHM 2045C Chemistry Fundamentals I 4 hrs
- may be substituted with: CHM 2041C

Plan of Study

**Freshman Year - Fall**
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- Select 1: 3 hrs
- ANT 2000 General Anthropology or 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

**Freshman Year - Spring**
- BSC 2010C Biology I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs

**Sophomore Year - Fall**
- CHM 2210 Organic Chemistry I 3 hrs
- MCB 3020C General Microbiology 5 hrs
- Select 1: 4 hrs
- MAC 2253 Applied Calculus I or 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Select 1: 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- WOH 2012 World Civilization I 3 hrs

**Sophomore Year - Spring**
- BSC 3403C Quantitative Biological Methods 4 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- Select 1: 3 hrs
- CGS 1060C Introduction to Computer Science or 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- Select 1: 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- WOH 2022 World Civilization II 3 hrs

**Junior Year - Fall**
- 1 BSC 2011C Biology II 4 hrs
- PCB 3522 Molecular Biology I 3 hrs
- Select 1: 4 hrs
- PHY 2048C Physics for Engineers & Scientists I or 4 hrs
- PHY 2053C College Physics I 4 hrs
- Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- POS 2041 American National Government 3 hrs

**Junior Year - Spring**
- Restricted Elective 2 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 4239 Molecular Immunology 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- Select 1: 4 hrs
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

**Senior Year - Fall**
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- BCH 4053 Biochemistry I 3 hrs

1 Or BSC 3403C.
2 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
3 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MCB 4414 Microbial Metabolism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

**Molecular Biology and Microbiology- UCF/USF**

**Accelerated Medical School (B.S.)**

**NOTE:** For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

**Music (B.A.)**

**College of Arts and Humanities**

**Department of Music, Colbourn Hall, Room: 205A**

http://www.music.cah.ucf.edu

Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

**Admission Requirements**
- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- The audition will serve as a placement examination for accepted candidates.

**Degree Requirements**
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://www.music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor for course selections.
- Courses designated in 1 (General Education Program) are usually spread over the full four years.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

**1. UCF General Education Program (GEP)**

<table>
<thead>
<tr>
<th>(36 hrs)</th>
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</thead>
</table>

- A: Communication Foundations (9 hrs)
  - Required ENC 1101 Composition I 3 hrs
  - Required ENC 1102 Composition II 3 hrs
  - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

- B: Cultural & Historical Foundations (9 hrs)
  - Required MUH 3212 Music History and Literature II 3 hrs
  - Select one course from 1.B.1 list 3 hrs
  - Select one course from 1.B.1 or 1.B.2 list 3 hrs

- C: Mathematical Foundations (6 hrs)
  - 1 Prefer MGF 1106 Finite Mathematics 3 hrs
  - Prefer STA 2060C Basic Statistics Using Microsoft Excel 3 hrs
  - (may substitute a higher level math)

- D: Social Foundations (6 hrs)

**E: Science Foundations**

(6 hrs)

<table>
<thead>
<tr>
<th>(28 hrs)</th>
</tr>
</thead>
</table>

- 2. Common Program Prerequisites (CPP) (28 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 Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 1122 Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 2126 Music Theory and Musicianship III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 2127 Music Theory and Musicianship IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111 Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 1112 Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2121 Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVK 2122 Class Piano IV</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX Ensembles</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVX XXXX Performance</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

- 3. Core Requirements: Basic Level (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010 Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 2360C Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- 4. Core Requirements: Advanced Level (3 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUH 3211 Music History and Literature I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUH 3212 Music History and Literature II</td>
<td>GEP</td>
</tr>
</tbody>
</table>

- 5. Restricted Electives (33 hrs)

<table>
<thead>
<tr>
<th>Hour</th>
</tr>
</thead>
</table>

- 6. Capstone Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 4900 Music BA Capstone Project</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- 7. Foreign Language Requirements

**Admissions**
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

**8. Electives**
- Select primarily from upper-level courses

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Earn a grade of “C” (2.0) or better in each Music course

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
Bachelor of Arts in Music

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

1 ENC 1101 Composition I 3 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 1121 Music Theory and Musicianship I 4 hrs
MVK 1111 Class Piano I 1 hr
MUN XXXX Ensemble 1 hr
MXV 141X Performance I 2 hrs
GEP E.1. Science Foundation 3 hrs

Freshman Year - Spring

ENC 1102 Composition II 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MVK 1112 Class Piano II 1 hr
MUN XXXX Ensemble 1 hr
MXV 141X Performance I 2 hrs

Sophomore Year - Fall

MUS 1010 Music Forum 0 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MVK 2121 Class Piano III 1 hr
1 SPC 1608 Fundamentals of Oral Communication 3 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
MUN XXXX Ensemble 1 hr
XXX 1120 Foreign Language 4 hrs

1 (GEP A.1.)

Sophomore Year - Spring

MGF 1106 Finite Mathematics 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUN XXXX Ensemble 1 hr
GEP B.1. Cultural & Historical Foundation 3 hrs
XXX 1121 Foreign Language 4 hrs

1 (GEP A.3.)

Junior Year - Fall

MUH 3211 Music History and Literature I 3 hrs
GEP B.2. Cultural & Historical Foundation 3 hrs
MUT 34XXX Music Restricted Elective 3 hrs
MUX 34XXX Music Restricted Elective 3 hrs
XXX 34XXX Non-Music Restricted Elective 3 hrs

Senior Year - Fall

GEP D.1. Social Foundation 3 hrs
XXX 34XXX Non-Music Restricted Elective 3 hrs
MUX 34XXX Music Restricted Elective 3 hrs
GEP E.2. Science Foundation 3 hrs
XXX 34XXX Non-Music Restricted Elective 3 hrs

Senior Year - Spring

MUS 4900 Music BA Capstone Project 3 hrs
GEP D.2. Social Foundation 3 hrs
XXX 34XXX Non-Music Restricted Elective 3 hrs
XXX 34XXX Non-Music Restricted Elective 3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $45 per term
Full-Time Student: $90 per term

Music - Jazz Studies Track (B.M.)

College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205
http://www.music.ucf.edu
E-mail: musicaud@mail.ucf.edu
J. Rupert, jrupert@mail.ucf.edu, 407-823-5411
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements

Audition Requirements for Admission

Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsaudition.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.

The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review

During the fourth semester of applied study, each student will be required to pass the Professional Sequence Entrance Review, which will include:

- An evaluation of performance skills
- Completion of Performance I and II
- Completion of MUS 2360C
- Completion of MUT 2127, Music Theory and Musicianship IV
- Completion of Class Piano IV
- Completion of Jazz Theory I & II
- Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0

This review is a pre-requisite for Performance level III.

Degree Requirements

Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.

Students who change degree programs and select this major must adopt the most current catalog.

At least 65 hours of credit must be earned in music courses.

Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.

Performance students must present two faculty-approved public recitals.
UCF Degree Programs

- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. UCF General Education Program (GEP) (36 hrs)
   - (See General Education program for detailed information)

   A: Communication Foundations (9 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - Take all of the following: 6 hrs
     - Required ENC 1101 Composition I and 3 hrs
     - Required ENC 1102 Composition II 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   - Required MUL 2016 Evolution of Jazz 3 hrs
   - Select one course from 1.B.1 list 3 hrs
   - Select one course from 1.B.1 list or 1.B.2 list 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Prefer MGF 1106 Finite Mathematics 3 hrs
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1. (may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (24 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 MUN 3713 Jazz Lab 1 hr
   - MUN 1121 Music Theory and Musicianship I 4 hrs
   - MUN 1122 Music Theory and Musicianship II 4 hrs
   - MUN 2126 Music Theory and Musicianship III 4 hrs
   - MUN 2127 Music Theory and Musicianship IV 4 hrs
   - MVK 1111 Class Piano I 1 hr
   - MVK 1112 Class Piano II 1 hr
   - MVK 2121 Class Piano III 1 hr
   - MVK 2122 Class Piano IV 1 hr

1. Four semesters for total 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   - MUL 2014 Introduction to Music History and Literature 3 hrs
   - MUL 2016 Evolution of Jazz GEP
   - 1 MUS 1010 Music Forum 0 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs

1. Eight semesters

4. Core Requirements: Advanced Level (27 hrs)
   - MUH 4914 Jazz Styles and Analysis 3 hrs
   - MUS 3953 Recital Performance I 0 hrs
   - MUS 4320 Music Business and Industry 3 hrs
   - MUS 4954 Recital Performance II 0 hrs
   - MUT 3170 Jazz Theory I 3 hrs
   - MUT 3171 Jazz Theory II 3 hrs
   - 1 MUT 3923 Jazz Workshop 3 hrs
   - Select 1: 3 hrs
     - MUH 3211 Music History and Literature I or 3 hrs
     - MUH 3212 Music History and Literature II 3 hrs

1. Four semesters for total 12 hrs

Specialty Requirements (Choose one): 27 hrs
- All courses are taken for two semesters each except restricted elective courses

- Trombone 15 hrs
  - MVB 1413 Trombone I and 2 hrs
  - MVB 2421 Trombone II and 2 hrs
  - MVB 3433 Trombone III and 2 hrs
  - MVB 4443 Trombone IV and 4 hrs
  - Restricted Electives 5 hrs

- Saxophone 15 hrs
  - MVW 1415 Saxophone I and 2 hrs
  - MVW 2425 Saxophone II and 2 hrs
  - MVW 3435 Saxophone III and 2 hrs
  - MVW 4445 Saxophone IV and 4 hrs
  - Restricted Electives 5 hrs

- Jazz Piano 15 hrs
  - MVJ 1010 Jazz Piano I and 2 hrs
  - MVJ 2220 Jazz Piano II and 2 hrs
  - MVJ 3230 Jazz Piano III and 3 hrs
  - MVJ 4240 Jazz Piano IV and 4 hrs
  - MKV 1211 Secondary Piano and 1 hr
  - Restricted Electives 3 hrs

- Jazz Bass 15 hrs
  - MVJ 1214 Jazz Bass I and 2 hrs
  - MVJ 2224 Jazz Bass II and 2 hrs
  - MVJ 3234 Jazz Bass III and 3 hrs
  - MVJ 4244 Jazz Bass IV and 4 hrs
  - MVJ 2214 Secondary Bass and 1 hr
  - Restricted Electives 3 hrs

- Jazz Drum Set 15 hrs
  - MVJ 1219 Jazz Drum Set I and 2 hrs
  - MVJ 2229 Jazz Drum Set II and 2 hrs
  - MVJ 3339 Jazz Drum Set III and 3 hrs
  - MVJ 4349 Jazz Drum Set IV and 4 hrs
  - MVP 1211 Secondary Percussion and 1 hr
  - Restricted Electives 3 hrs

5. Restricted Electives (0 hrs)
- Any secondary performance course not in area of major instrument or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- None
### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course
- Computer Competency met by the following course, or departmental examination:
  - MUS 2360C Introduction to Music Technology 3 hrs

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

#### Honors In Major
- None

#### Related Programs
- Music
- Music Education
- Theatre

#### Certificates
- None

#### Related Minors
- Digital Media
- Music
- Theatre

#### Advising Notes
- None

#### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- Program A: Jazz Trumpet, Trombone, Saxophone

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MXV 141X Performance I 2 hrs

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MVX 141X Performance I 2 hrs
- Science Foundation 3 hrs

#### Sophomore Year - Fall
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 2360C Introduction to Music Technology 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 3170 Jazz Theory I 3 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MXV 242X Performance II 2 hrs

#### Sophomore Year - Spring
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr

#### Junior Year - Fall
- MGF 1106 Finite Mathematics 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MUT 3923 Jazz Workshop 3 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- MVX 3XXX Restricted Elective 1 hr

#### Junior Year - Spring
- MGF 1106 Jazz Styles and Analysis 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- Social Foundation 3 hrs
- MVX 444X Performance IV 4 hrs
- MVX 3XXX Restricted Elective 1 hr

#### Senior Year - Fall
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano I 1 hr
- MVX 3XXX Restricted Elective 1 hr

#### Senior Year - Spring
- MUS 1010 Music Forum 0 hrs
- MUS 4320 Music Business and Industry 3 hrs
- MUS 4954 Recital Performance II 0 hrs
- MUT 3923 Jazz Workshop 3 hrs
- MVX 444X Performance IV 4 hrs
- MVX 3XXX Restricted Elective 1 hr

#### Program B: Jazz Piano, Guitar, Bass, Drum Set

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MXV 1XXX Performance I 2 hrs
- MXV 121X Secondary Performance 1 hr

#### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MUL 2016 Evolution of Jazz 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1122 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- MXV 1XXX Performance I 2 hrs
- MXV 121X Secondary Performance 1 hr

#### Sophomore Year - Fall
- MGF 1106 Finite Mathematics 3 hrs
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 3170 Jazz Theory I 3 hrs
- MVK 2121 Class Piano III 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MVX 2XXX Performance II 2 hrs

#### Sophomore Year - Spring
- MUN 3713 Jazz Lab 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUT 3171 Jazz Theory II 3 hrs
- MVK 2122 Class Piano IV 1 hr

#### Professional Sequence Entrance Review
- MVX 2XXX Performance II 2 hrs
- Cultural & Historical Foundation 3 hrs
Junior Year - Fall  
**MUS 1010** Music Forum  
**MUT 3923** Jazz Workshop  
Cultural & Historical Foundation  
**MVX 3XXX** Performance III  
**MUX 3/4XXX** Restricted Electives  
**MUX 121X** Secondary Performance  

13 hrs  

Junior Year - Spring  
**MUH 3211** Music History and Literature I  
**MUS 1010** Music Forum  
**MUS 3953** Recital Performance I  
**MUT 3923** Jazz Workshop  
**STA 1060C** Basic Statistics Using Microsoft Excel  
**MVX 3XXX Performance III**  

15 hrs  

Senior Year - Fall  
**MUH 4814** Jazz Styles and Analysis  
**MUS 1010** Music Forum  
**MUT 3923** Jazz Workshop  
Social Foundation  
**MVX 4XXX Performance IV**  

Social Foundation  

16 hrs  

Senior Year - Spring  
**MUS 1010** Music Forum  
**MUS 4320** Music Business and Industry  
**MUS 4954** Recital Performance II  
**MUT 3923** Jazz Workshop  
**MVX 4XXX Performance IV**  

Science Foundation  

13 hrs  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oes.ucf.edu/alc/academic_learning_compacts.htm  

Equipment Fees  
- Part-Time Student: $45 per term  
- Full-Time Student: $90 per term  

Music - Music Composition Track (B.M.)  
College of Arts and Humanities  
Department of Music, Colbourn Hall, Room: 205  
http://www.music.ucf.edu/  
E-mail: musicaud@mail.ucf.edu  
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968  

Admission Requirements  

Audition Requirements for Admission  
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.  
- The audition will serve as a placement examination for accepted candidates  

Professional Sequence Entrance Review  
- Prospective composition students must audition for and be accepted for either the BA in Music, the BM degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review. Students will be required to pass this evaluation before entering Level III Composition. This review will include:  
- Approval of composition portfolio  
- Completion of Composition I and II  
- Completion of Performance I and II  
- Completion of MUT 2127, Music Theory and musicianship IV  
- Completion of Class Piano IV  

Degree Requirements  
- Students who change degree programs and select this major must adopt the most current catalog.  
- At least 65 hours of credit must be earned in music courses.  
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.  
- Composition students must present one faculty-approved public recital.  
- Students should consult with a departmental advisor for course selection.  
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.  

1. UCF General Education Program (GEP) (36 hrs)  
- (see General Education program for detailed information)  

A: Communication Foundations (9 hrs)  
Required  ENC 1101 Composition I  
Required ENC 1102 Composition II  
Prefer SPC 1608 Fundamentals of Oral Communication  

B: Cultural & Historical Foundations (9 hrs)  
Required MUH 3211 Music History and Literature I  
Select one course from 1.B.1 list  
Select one course from 1.B.2 list  

C: Mathematical Foundations (6 hrs)  
- MGF 1106 Finite Mathematics  
- Prefer STA 1060C Basic Statistics Using Microsoft Excel  

D: Social Foundations (6 hrs)  

E: Science Foundations (6 hrs)  

2. Common Program Prerequisites (CPP) (32 hrs)  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  

3. Core Requirements: Basic Level (20 hrs)  
- MUC 1101C Composition I  
- MUC 2104C Composition II  
- MUG 3104 Basic Conducting  
- MUH 3211 Music History and Literature I  
- MUH 3212 Music History and Literature II  
- MUL 2014 Introduction to Music History and Literature  
- MUS 1010 Music Forum  
- MUS 2360C Introduction to Music Technology  
- MUT 4571 Analysis of Twentieth-Century Music  
- MUN XXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483  
- MVX 141X Performance I (two semesters)  
- MVX 242X Performance II (two semesters)  

4. Core Requirements: Advanced Level (23 hrs)  

Professional Sequence Requirements:  
- MUC 3105C Composition III  
- MUC 4106C Composition IV  
- MUC 4950 Composition Recital  
- MUT 4311 Orchestration  
- MUT 4401 Counterpoint  
- One course selected from MUC/MUH/MUT, 3000 level or above  
1 Two semesters for total 6 hrs  
2 Two semesters for total 8 hrs
5. Restricted Electives (9 hrs)
- Any secondary performance course not in area of major instrument, or
- Any MUC, MUE, MUG, MUH, MUL, MUM, MUN, MUO, MUS, MUT, MVX courses numbered 3000 or higher.

Special Non-Course Requirements: Major Ensemble Participation
- Selected from University Chorus, Women's Chorus, Symphony Orchestra, Concert Band, Wind Ensemble, and Marching Band. Four hours of Jazz Ensemble may be used as Major Ensemble credit.
- Ensemble assignment is by the Ensemble Directors.
- Students must take Major Ensemble during each semester at UCF.
- Students taking a course in Performance must concurrently take a major ensemble appropriate to their principal instrument or voice.

Special Non-Course Requirements: Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- 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.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Music course.
- Computer Competency met by the following or departmental examination:
  MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music
- Music Education
- Theatre

Certificates
- None

Related Minors
- Digital Media
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>ENC 1101  Composition I</td>
<td>3 hrs</td>
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<tr>
<td>MUL 2014 Introduction to Music History and Literature</td>
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<tr>
<td>MUS 1010 Music Forum</td>
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<tr>
<td>MUT 1121 Music Theory and Musicianship I</td>
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<tr>
<td>MVK 1111 Class Piano I</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
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<tr>
<td>MVX 141X Performance I</td>
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<thead>
<tr>
<th>Freshman Year - Spring</th>
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<tbody>
<tr>
<td>ENC 1102  Composition II</td>
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<tr>
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<td>MUS 2360C Introduction to Music Technology</td>
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<tr>
<td>MUT 1122 Music Theory and Musicianship II</td>
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<td>MVK 1112 Class Piano II</td>
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</tr>
<tr>
<td>MVX 141X Performance II</td>
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</tr>
<tr>
<td>MUN XXXX Major Ensemble</td>
<td>1 hr</td>
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<tr>
<td>Science Foundation</td>
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<thead>
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<tr>
<td>MUC 1101C Composition I</td>
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<td>MUT 2126 Music Theory and Musicianship III</td>
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<td>MVK 2121 Class Piano III</td>
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<td>MUN XXXX Major Ensemble</td>
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<td>MVX 242X Performance II</td>
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<tr>
<td>^MGF 1106 Finite Mathematics</td>
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<td>MUT 2127 Music Theory and Musicianship IV</td>
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<td>MVK 2122 Class Piano IV</td>
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<tr>
<td>Cultural/Historical Foundation</td>
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<td>MUN XXXX Major Ensemble</td>
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<tr>
<td>MVX 242X Performance II</td>
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1 (GEP C.1.)

Junior Year - Fall

| 16 hrs |
|------------------|--------|
| MUC 3105C Composition III | 3 hrs |
| MUH 3211 Music History and Literature I | 3 hrs |
| MUS 1010 Music Forum | 0 hrs |
| MUT 4571 Analysis of Twentieth-Century Music | 3 hrs |
| MUX 3/4XXX Restricted Electives | 3 hrs |
| Cultural/Historical Foundation | 3 hrs |
| MUN XXXX Major Ensemble | 1 hr |

1
Junior Year - Spring 16 hrs  
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<thead>
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<th>Course Title</th>
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<tr>
<td>¹ MUH 3212</td>
<td>Music History and Literature II</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<tr>
<td>MUT 4311</td>
<td>Orchestration</td>
<td>3 hrs</td>
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<tr>
<td>² STA 1006C</td>
<td>Basic Statistics Using Microsoft Excel</td>
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<td>MUN XXXX</td>
<td>Major Ensemble</td>
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<tr>
<td>MUX 3/4XXX</td>
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¹ GEP (GEP C.2.)
²

Senior Year - Fall 13 hrs  
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<tr>
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<th>Course Title</th>
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<td>MUC 4106C</td>
<td>Composition IV</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>Restricted Elective</td>
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</table>

Senior Year - Spring 13 hrs  
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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<td>MUC 4106C</td>
<td>Composition IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUC 4950</td>
<td>Composition Recital</td>
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</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 4401</td>
<td>Counterpoint</td>
<td>3 hrs</td>
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<tr>
<td>Social Foundation</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>MUX 3/4XXX</td>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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, Colbourn Hall, Room: 205
http://www.music.cah.ucf.edu/  
E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements  
- Audition Requirements for Admission
  - Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php to learn more about specific audition requirements and recommended repertoire for each instrument and voice.
  - The audition will serve as a placement examination for accepted candidates.

Professional Sequence Entrance Review  
- 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 I | 4 hrs

Degree Requirements  
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. UCF General Education Program (GEP) (36 hrs)  
- (See General Education program for detailed information)
  - A: Communication Foundations (9 hrs)
    - Required: ENC 1101 - Composition I and 3 hrs
    - Required: ENC 1102 - Composition II 3 hrs
  - B: Cultural & Historical Foundations (9 hrs)
    - Required: MUH 3212 - Music History and Literature II 3 hrs
    - Select one course from 1.B.1 list 3 hrs
    - Select one course from 1.B.2 list 3 hrs
  - C: Mathematical Foundations (6 hrs)
    - Prefer: MGF 1106 - Finite Mathematics 3 hrs
    - Prefer: STA 1060C - Basic Statistics Using Microsoft Excel 3 hrs
    - (May substitute a higher level math)
  - D: Social Foundations (6 hrs)
  - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  - MUL 1121 - Music Theory and Musicanship I | 4 hrs
  - MUT 1122 - Music Theory and Musicanship II | 4 hrs
  - MUL 2126 - Music Theory and Musicanship III | 4 hrs
  - MUT 2127 - Music Theory and Musicanship IV | 4 hrs
  - MVK 1111 - Class Piano I | 1 hr
  - MVK 1112 - Class Piano II | 1 hr
  - MVK 2121 - Class Piano III | 1 hr
  - MVK 2122 - Class Piano IV | 1 hr
  - MUN XXXX - Major Ensemble (four semesters) Piano students 4 hrs
  - take MUN 3453; guitar students take MUN 3404
  - MVX 141X Performance I (2 semesters) | 4 hrs
  - MVX 242X Performance II (2 semesters) | 4 hrs

3. Core Requirements: Basic Level (6 hrs)
  - MUL 2014 - Introduction to Music History and Literature | 3 hrs
  - MUS 1010 - Music Forum | 0 hrs
  - MUS 2360C - Introduction to Music Technology | 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
  - MUG 3104 - Basic Conducting | 2 hrs
  - MUH 3211 - Music History and Literature I | 3 hrs
  - MUH 3212 - Music History and Literature II | 3 hrs
  - MUS 3953 - Recital Performance I | 0 hrs
  - MUS 4954 - Recital Performance II | 0 hrs
  - MVX 343X Performance III (2 Semesters) | 6 hrs
  - MVX 444X Performance IV (2 Semesters) | 8 hrs
  - MUN XXXX - Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3404) | 2 hrs

Specialty Requirements (Choose One:) 22 hrs

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piano</td>
<td>21 hrs</td>
</tr>
<tr>
<td>MUL 3400</td>
<td>Piano Literature I and 2 hrs</td>
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<tr>
<td>MUL 3401</td>
<td>Piano Literature II and 2 hrs</td>
</tr>
<tr>
<td>MUN 3453</td>
<td>Piano Ensemble and 1 hr</td>
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<tr>
<td>MVK 4640</td>
<td>Piano Pedagogy I and 2 hrs</td>
</tr>
<tr>
<td>Restricted Electives and Electives</td>
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</tr>
<tr>
<td>Guitar</td>
<td>21 hrs</td>
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<tr>
<td>MUL 4437</td>
<td>String Literature and Pedagogy and 3 hrs</td>
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<tr>
<td>MUL 3487</td>
<td>Guitar Ensemble and 1 hr</td>
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<tr>
<td>Restricted Electives and Electives</td>
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Restricted Electives and Electives 5 hrs
Minor Ensemble Participation
- If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.
- If Minor Ensemble credits are transferred to UCF, each remaining credit must be taken in a separate semester.
- Minor Ensembles include: Brass, Percussion, Piano, Madrigal Singers, Women’s Chorus, Opera Workshop, Woodwind, Jazz Ensemble, Jazz Combo, and Early Music Ensemble.

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of “C” (2.0) or better in each Music course.
- Computer Competency met by the following course, or departmental examination:
  MUS 2360C  Introduction to Music Technology  3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music
- Music Education
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Digital Media
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Strings, Woodwinds, Brass
- Program B: Voice
- Program C: Digital Media, Theatre
- Program D: Music Education

Freshman Year - Fall
- ENC 1101  Composition I  3 hrs
- MUL 2014  Introduction to Music History and Literature  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUS 1121  Music Theory and Musicianship I  4 hrs
- MVK 1111  Class Piano I  1 hr
- MUN XXXX Major Ensemble  1 hr
- MVX 141X Performance I  2 hrs

Freshman Year - Spring
- ENC 1102  Composition II  3 hrs
- MUS 1010  Music Forum  0 hrs
- MUS 2360C  Introduction to Music Technology  3 hrs
- MUS 1122  Music Theory and Musicianship II  4 hrs
- MVK 1112  Class Piano II  1 hr
- MUN XXXX Major Ensemble  1 hr
- MVX 141X Performance I  2 hrs
- Science Foundation  3 hrs
## UCF Degree Programs

### Sophomore Year - Fall
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MUG 3104</td>
<td>Basic Conducting</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<tr>
<td>MUT 2126</td>
<td>Music Theory and Musicanship III</td>
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<td>MVK 2121</td>
<td>Class Piano III</td>
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<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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<tr>
<td>STA 1080C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
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<tr>
<td>MUN XXXX</td>
<td>Minor Ensemble</td>
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<tr>
<td>MVX 242X</td>
<td>Performance II</td>
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Total: 17 hrs

### Sophomore Year - Spring
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<th>Course Title</th>
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<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
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<td>MUS 1010</td>
<td>Music Forum</td>
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<tr>
<td>MUT 2127</td>
<td>Music Theory and Musicanship IV</td>
<td>4 hrs</td>
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<td>MVK 2122</td>
<td>Class Piano IV</td>
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<tr>
<td>Cultural &amp; Historical Foundation</td>
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<td>MUN XXXX</td>
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<tr>
<td>MUN XXXX</td>
<td>Minor Ensemble</td>
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<tr>
<td>MVX 242X</td>
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Professional Sequence Entrance Interview

Total: 15 hrs

### Junior Year - Fall
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<td>MUH 3211</td>
<td>Music History and Literature I</td>
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<tr>
<td>MVX 343X</td>
<td>Performance III</td>
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<td>MUX 3/4XXX</td>
<td>Restricted Electives</td>
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<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
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<tr>
<td>MUN XXXX</td>
<td>Minor Ensemble</td>
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Total: 17 hrs

### Junior Year - Spring
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<td>Music History and Literature II</td>
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<td>Music Forum</td>
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<tr>
<td>MVX 3953</td>
<td>Recital Performance I</td>
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<td>MUX 3/4XXX</td>
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<tr>
<td>MUL 444X</td>
<td>Literature and Pedagogy</td>
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<td>MVX 343X</td>
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Professional Sequence Entrance Review

Total: 14 hrs

### Senior Year - Fall
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<tr>
<td>Social Foundation</td>
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<td>MVX 444X</td>
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<td>MUN XXXX</td>
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<tr>
<td>MUX XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Total: 14 hrs

### Senior Year - Spring
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUS 4954</td>
<td>Recital Performance II</td>
<td>0 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>Social Foundation</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>MVX 444X</td>
<td>Performance IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Restricted Elective</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Total: 12 hrs

### Program B: Percussion

#### 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>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicanship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVP 1411</td>
<td>Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Total: 14 hrs

#### 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>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 2360C</td>
<td>Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUT 1122</td>
<td>Music Theory and Musicanship II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1112</td>
<td>Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVP 1411</td>
<td>Percussion I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>MUN XXXX</td>
<td>Major Ensemble</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Science Foundation

Total: 17 hrs

### Program C: Piano

#### 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>MUL 2014</td>
<td>Introduction to Music History and Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MUS 3453</td>
<td>Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicanship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 1411</td>
<td>Piano I</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Total: 15 hrs

#### 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>MUS 3453</td>
<td>Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td>MUS 1010</td>
<td>Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicanship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MVK 1111</td>
<td>Class Piano I</td>
<td>1 hr</td>
</tr>
<tr>
<td>MVX 1411</td>
<td>Piano I</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

Science Foundation

Total: 17 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

276  Undergraduate Catalog 2010-2011
Sophomore Year - Fall
MUG 3104  Basic Conducting  2 hrs
MUN 3453  Piano Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 2126  Music Theory and musicianship III  4 hrs
MVK 2121  Class Piano III  1 hr
MVK 2421  Piano II  2 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

Sophomore Year - Spring
MGF 1106  Finite Mathematics  3 hrs
MUN 3453  Piano Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 2127  Music Theory and musicianship IV  4 hrs
MVK 2122  Class Piano IV  1 hr
MVS 2426  Guitar II  2 hrs
Cultural & Historical Foundation  3 hrs
Professional Sequence Entrance Review

Junior Year - Fall
MUN 3211  Music History and Literature I  3 hrs
MUL 3400  Piano Literature I  2 hrs
MUN 3453  Piano Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4571  Analysis of Twentieth-Century Music  3 hrs
MVK 3431  Piano III  2 hrs
Cultural & Historical Foundation  3 hrs

Junior Year - Spring
MUN 3212  Music History and Literature II  3 hrs
MUL 3401  Piano Literature II  2 hrs
MUN 3453  Piano Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 3953  Recital Performance I  0 hrs
MVK 3431  Piano III  2 hrs
MUX 3/4XXX Restricted Electives  6 hrs

Senior Year - Fall
MUN 3453  Piano Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4441  Piano IV  4 hrs
MVK 4540  Piano Pedagogy I  2 hrs
Social Foundation  3 hrs
Science Foundation  3 hrs
Free Elective  2 hrs

Senior Year - Spring
MUN 3453  Piano Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4441  Piano IV  4 hrs
MVK 4540  Piano Pedagogy I  2 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
MUL 2014  Introduction to Music History and Literature  3 hrs
MUN 3453  Piano Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 1121  Music Theory and musicianship I  4 hrs
MVK 1111  Class Piano I  1 hr
MVS 1416  Guitar I  2 hrs

Freshman Year - Spring
ENC 1102  Composition II  3 hrs
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 1122  Music Theory and musicianship II  4 hrs
MVK 1112  Class Piano II  1 hr
MVS 1416  Guitar I  2 hrs
Science Foundation  3 hrs

Sophomore Year - Fall
MUG 3104  Basic Conducting  2 hrs
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 2126  Music Theory and musicianship III  4 hrs
MVK 2121  Class Piano III  1 hr
MVS 2426  Guitar II  2 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs

Sophomore Year - Spring
MGF 1106  Finite Mathematics  3 hrs
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 2127  Music Theory and musicianship IV  4 hrs
MVK 2122  Class Piano IV  1 hr
MVS 2426  Guitar II  2 hrs
Cultural & Historical Foundation  3 hrs

Junior Year - Fall
MUN 3211  Music History and Literature I  3 hrs
MUS 3467  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4571  Analysis of Twentieth-Century Music  3 hrs
MVS 3436  Guitar III  2 hrs
MVS 4346  Guitar IV  4 hrs
Cultural & Historical Foundation  3 hrs

Junior Year - Spring
MUN 3212  Music History and Literature II  3 hrs
MUL 4437  String Literature and Pedagogy  3 hrs
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 3953  Recital Performance I  0 hrs
MVS 3436  Guitar III  2 hrs
MVS 4346  Guitar IV  4 hrs
MUX 3/4XXX Restricted Electives  3 hrs

Senior Year - Fall
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4571  Analysis of Twentieth-Century Music  3 hrs
Social Foundation  3 hrs
Science Foundation  3 hrs
Free Elective  2 hrs

Senior Year - Spring
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4571  Analysis of Twentieth-Century Music  3 hrs
Social Foundation  3 hrs
MUX 3/4XXX Restricted Electives  3 hrs
Free Elective  3 hrs

Program E: Voice
Freshman Year - Fall
ENC 1101  Composition I  3 hrs
MUL 2014  Introduction to Music History and Literature  3 hrs
MUS 3467  Guitar Ensemble  1 hr
MUS 1250  IPA for Singers  1 hr
MUT 1121  Music Theory and musicianship I  4 hrs
MVK 1111  Class Piano I  1 hr
MVM 1411  Voice I  2 hrs
MUN XXXX Major Ensemble  1 hr

Freshman Year - Spring
ENC 1102  Composition II  3 hrs
MUS 2350C  Introduction to Music Technology  3 hrs
MUS 3255  German and English Lyric Diction  2 hrs
MUT 1122  Music Theory and musicianship II  4 hrs
MVK 1112  Class Piano II  1 hr
MVM 1411  Voice I  2 hrs
MUN XXXX Major Ensemble  1 hr

Sophomore Year - Fall
MGF 1106  Finite Mathematics  3 hrs
MUS 3104  Basic Conducting  2 hrs
MUS 1010  Music Forum  0 hrs
MUS 3254  Italian and French Lyric Diction  2 hrs
MUT 2126  Music Theory and musicianship III  4 hrs
MVK 2121  Class Piano III  1 hr
MVM 2421  Voice II  2 hrs

Sophomore Year - Spring
MGF 1106  Finite Mathematics  3 hrs
MUS 1010  Music Forum  0 hrs
MUT 2127  Music Theory and musicianship IV  4 hrs
MVK 2122  Class Piano IV  1 hr
MVM 2421  Voice II  2 hrs

Junior Year - Fall
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4571  Analysis of Twentieth-Century Music  3 hrs
MVS 3436  Guitar III  2 hrs
MVS 4346  Guitar IV  4 hrs
Cultural & Historical Foundation  3 hrs

Junior Year - Spring
MUN 3212  Music History and Literature II  3 hrs
MUL 4437  String Literature and Pedagogy  3 hrs
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 3953  Recital Performance I  0 hrs
MVS 3436  Guitar III  2 hrs
MVS 4346  Guitar IV  4 hrs
MUX 3/4XXX Restricted Electives  3 hrs

Senior Year - Fall
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4571  Analysis of Twentieth-Century Music  3 hrs
Social Foundation  3 hrs
Science Foundation  3 hrs
MUX 3/4XXX Restricted Electives  3 hrs
Free Elective  3 hrs

Senior Year - Spring
MUN 3457  Guitar Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 4571  Analysis of Twentieth-Century Music  3 hrs
Social Foundation  3 hrs
MUX 3/4XXX Restricted Electives  3 hrs
Free Elective  3 hrs

Program E: Voice
Freshman Year - Fall
ENC 1101  Composition I  3 hrs
MUL 2014  Introduction to Music History and Literature  3 hrs
MUS 3457  Piano Ensemble  1 hr
MUS 1010  Music Forum  0 hrs
MUT 1121  Music Theory and musicianship I  4 hrs
MVK 1111  Class Piano I  1 hr
MVM 1411  Voice I  2 hrs
MUN XXXX Major Ensemble  1 hr

Freshman Year - Spring
ENC 1102  Composition II  3 hrs
MUS 2350C  Introduction to Music Technology  3 hrs
MUS 3255  German and English Lyric Diction  2 hrs
MUT 1122  Music Theory and musicianship II  4 hrs
MVK 1112  Class Piano II  1 hr
MVM 1411  Voice I  2 hrs
MUN XXXX Major Ensemble  1 hr

Sophomore Year - Fall
MGF 1106  Finite Mathematics  3 hrs
MUS 3104  Basic Conducting  2 hrs
MUS 1010  Music Forum  0 hrs
MUS 3254  Italian and French Lyric Diction  2 hrs
MUT 2126  Music Theory and musicianship III  4 hrs
MVK 2121  Class Piano III  1 hr
MVM 2421  Voice II  2 hrs

Sophomore Year - Spring
MGF 1106  Finite Mathematics  3 hrs
MUS 1010  Music Forum  0 hrs
MUT 2127  Music Theory and musicianship IV  4 hrs
MVK 2122  Class Piano IV  1 hr
MVM 2421  Voice II  2 hrs
determine the appropriate level of class piano. In addition, all students will take a keyboard placement examination to determine the appropriate level of class piano. Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.

**Junior Year - Fall**
- MUS 3211 Music History and Literature I (3 hrs)
- MUS 1010 Music Fundamentals (3 hrs)
- MUS 4571 Analysis of Twentieth-Century Music (3 hrs)
- MVV 3431 Voice III (2 hrs)
- XXX 1120 Foreign Language (4 hrs)
- MUN XXXX Major Ensemble (1 hr)
- MUN XXXX Minor Ensemble (1 hr)

**Junior Year - Spring**
- MUS 3212 Music History and Literature II (3 hrs)
- MUS 1010 Music Fundamentals (0 hrs)
- MUS 3953 Recital Performance I (0 hrs)
- MVV 3431 Voice III (2 hrs)
- Cultural & Historical Foundation (3 hrs)
- XXX 2121 Foreign Language (4 hrs)
- MUN XXXX Major Ensemble (1 hr)
- MUN XXXX Minor Ensemble (1 hr)

**Senior Year - Fall**
- MUS 1010 Music Fundamentals (0 hrs)
- MVV 4441 Voice IV (4 hrs)
- MVV 4640 Voice Pedagogy (2 hrs)
- Social Foundation (3 hrs)
- Science Foundation (3 hrs)
- MUN XXXX Major Ensemble (1 hr)

**Senior Year - Spring**
- MUL 3902 Song Literature (3 hrs)
- MUS 1010 Music Fundamentals (0 hrs)
- MUS 4954 Recital Performance II (0 hrs)
- MVV 4441 Voice IV (4 hrs)
- Social Foundation (3 hrs)
- Science Foundation (3 hrs)
- MUN XXXX Major Ensemble (1 hr)

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Music Education (B.M.E.)**
**College of Arts and Humanities**
**Department of Music, Colbourn Hall, Room: 205A**
http://www.music.cah.ucf.edu  
E-mail: musicaud@mail.ucf.edu  
Al Holcomb, aholcomb@mail.ucf.edu, 407-823-4180

**Admission Requirements**

**Admission Requirements - Music Education**

- Audition. To be accepted into Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
- Memorization is required for pianists and vocalists.
- Accompanists are provided for vocalists only.
- Each candidate must bring his/her own audition music.
- The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
- The audition will serve as a placement exam for accepted candidates.
- Refer to the UCF Music Department website for specific audition requirements.
- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.

**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.

- Each candidate must bring his/her own audition music. Accompanists are provided for vocalists only.

- 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 pitch, learn, sight-read, and remember musical lines and harmonies) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 2127, and two semesters of Performance II.

**Notes:**

- (1) Students may not enroll in Performance III or Professional Program courses unless all requirements for admission are satisfied.
- (2) Students who change degree programs and select this major must adopt the most current catalog.
- (3) Common program prerequisites are subject to revision based on changes Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs, and State Board of Education Rule 6A-5.086, Approval of Pre-service Teacher Preparation Programs.

**Degree Requirements**

- None

**A: Communication Foundations**

- Required: ENC 1101 Composition I 3 hrs  
- Required: ENC 1102 Composition II 3 hrs

**B: Cultural & Historical Foundations**

- Prefer: AMH 2010 U.S. History: 1492-1877 3 hrs  
- Prefer: AMH 2020 U.S. History: 1877-Present 3 hrs  
- Required: MUH 3212 Music History and Literature II 3 hrs

**C: Mathematical Foundations**

- Prefer: MGF 1106 Finite Mathematics 3 hrs
- Prefer: STA 1000C Basic Statistics Using Microsoft Excel 3 hrs

**D: Social Foundations**

- Prefer: POS 2041 American National Government 3 hrs  
- Prefer: PSY 2012 General Psychology 3 hrs

**E: Science Foundations**

- Prefer: PSC 1121 Physical Science 3 hrs
2. Common Program Prerequisites (CPP) (38 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EM 2040 Introduction to Technology for Educators 3 hrs
- MUS 1010 Music Forum 0 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
- MUN XXX 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)
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MUN XXX 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

Music Education Prerequisites - Basic 5 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUN XXX Major Ensembles (2 semesters) 2 hrs

4. Core Requirements: Advanced Level (29 hrs)
- MUE 3942 Music Internship I 3 hrs
- MUG 3104 Basic Conducting 2 hrs
- MUI 3201 Music History and Literature I 3 hrs
- MUI 3212 Music History and Literature II 3 hrs
- MVX 343X Performance III (2 Semesters) 3 hrs

Music Education Prerequisites - Advanced 17 hrs
- ESE 3940 Internship I - Secondary and 2 hrs
- MUE 3333 Music Learning Theory and Assessment and 3 hrs
- MUE 4311 Elementary School Music Methods and 2 hrs
- MUG 3104 Basic Conducting and 2 hrs
- MUI 3211 Music History and Literature I and 3 hrs
- MUI 3212 Music History and Literature II and 3 hrs
- MVX 343X Performance III (2 Semesters) 4 hrs

Education Core 12 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and 3 hrs
- EDG 4410 Teaching Strategies and Classroom Safety Issues in Schools and 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 and 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

5. Restricted Electives (26 hrs)
- Music Education Specialty Area Courses and Professional Program Courses
- Complete one program

Program A - Instrumental 5 hrs
- ESE 4943 Internship II - Secondary 3 hrs
- MUE 2346 Vocal Techniques 1 hr
- MUE 4331 Secondary Choral Methods I 3 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- MUG 3302 Instrumental Conducting and Materials 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 3461 Brass Techniques II 1 hr

Select 5:
- MUE 2441 String Methods 3 hrs
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 3461 Brass Techniques II 1 hr

Program B - Choral
- ESE 4943 Internship II - Secondary 7 hrs
- MUE 3331 Secondary Choral Methods I 3 hrs
- MUE 3335 General Music Literature and Techniques 2 hrs
- MUE 3333 Secondary Choral Methods II 3 hrs
- MUE 3433 Music and Students with Special Needs 2 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- MUE 4351 Woodwind Techniques II or 1 hr
- MUE 4361 Brass Techniques II 1 hr

Select 3:
- MUE 2440 String Techniques or 1 hr
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 3461 Brass Techniques II 1 hr

Program C - Elementary School
- ESE 4943 Internship II - Secondary 7 hrs
- MUE 2346 Vocal Techniques 1 hr
- MUE 3333 General Music Literature and Techniques 2 hrs
- MUE 3331 Secondary Choral Methods I 3 hrs
- MUE 3433 Music and Students with Special Needs 2 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- MUE 4351 Woodwind Techniques II or 1 hr
- MUE 4361 Brass Techniques II 1 hr

Select 4:
- MUE 2440 String Techniques or 1 hr
- MUE 2450 Woodwind Techniques I or 1 hr
- MUE 2460 Brass Techniques or 1 hr
- MUE 2470 Percussion Techniques or 1 hr
- MUE 2471 Percussion Techniques II or 1 hr
- MUE 3451 Woodwind Techniques II or 1 hr
- MUE 3461 Brass Techniques II 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Admission to Internship I will be granted to students who meet the following requirements:
  - Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
  - Possess minimum overall GPA of 2.5
  - Possess minimum specialization GPA of 2.5
  - Achieve a “C” or better in all prerequisite methods/specialization courses
  - Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
UCF Degree Programs

- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 439A) and Internship II (ESE 4943).
- Possess minimum professional preparation GPA of 2.5.
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:
- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.

Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements
- Note: Contact the Music Education Advisor for details.
- Electronic Portfolio. Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation hr
- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.
- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.

Recitals hr
- Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership hr
- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums hr
- Attendance at all Music Education Forums (except during Internship I and II) is expected

Public School Partnerships hr
- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors
- None

11. Departmental Exit Requirements
- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of “C” (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following: MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 134

Honors In Major
- None

Related Programs
- Music
- Theatre

Certificates
- Florida Teaching Certification: Music K-12

Related Minors
- Music
- Theatre

Advising Notes
- Consult with the music education advisor for course selection

Transfer Notes
- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
Courses taken at community colleges do not substitute for Upper Division courses.
Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
NOTE: Education majors are required to take six hours (in addition to EDF 2085) that have an international or diversity focus. While native UCF students complete this requirement as part of the GEP, transfer students must take appropriate courses that have been so designated by their previous institution.

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Take General Knowledge Test after spring semester of Freshman Year.
Apply for Professional Program after spring semester of Sophomore year.
Take PET and Music Examination of FTCE after fall semester of Senior year.
As indicated in the Plan of Study, all 3 remaining GEP classes will be taken during the summer semester of the Senior year.
Program A - Instrumental Program K-12:

Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUE 2346 Vocal Techniques 1 hr
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- GEP 3 hrs
- GEP 3 hrs
- 17 hrs

Freshman Year - Spring
- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship II 4 hrs
- MVK 1112 Class Piano II 1 hr
- GEP 3 hrs
- GEP 3 hrs
- MVX 141X Intro to Music Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 16 hrs

Sophomore Year - Fall
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 3 hrs
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 15 hrs

Sophomore Year - Spring
- Apply for Professional Program
- EDF 2005 Introduction to Diversity for Educators 3 hrs
- MUB 3212 Music History and Literature II 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2127 Music Theory and Musicianship IV 4 hrs
- MVK 2122 Class Piano IV 1 hr
- MUE XXXX Techniques 1 hr
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 16 hrs

Junior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4323 Professional Teaching Practices 3 hrs
- MUE 4332 Secondary Instrumental Methods I 3 hrs
- MUB 3104 Basic Conducting 2 hrs
- MUS 1010 Music Forum 0 hrs
- MUE XXXX Techniques 1 hr
- MVX 343X Performance III 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 15 hrs

Junior Year - Spring
- EME 2040 Introduction to Technology for Educators 3 hrs
- MUS 3302 Instrumental Conducting and Materials 1 hr
- MUS 1010 Music Forum 0 hrs
- MUS 3953 Recital Performance I 0 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- Select 1:
  - MUE 4335 Secondary Choral Methods II or 3 hrs
  - MUE 4441 String Methods 3 hrs
  - GEP 3 hrs
  - MVX 343X Performance III 2 hrs
  - MUN XXXX Ensemble 1 hr
  - CMENC/Schools
- 14 hrs

Senior Year - Fall
- Take PET and Music Examination of FTCE
- ESE 3940 Internship I - Secondary 3 hrs
- MUE 3333 Music Learning Theory and Assessment 3 hrs
- MUE 4311 Elementary School Music Methods 2 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- GEP 3 hrs
- CMENC
- CMENC
- 15 hrs

Senior Year - Spring
- ESE 4943 Internship II - Secondary 7 hrs
- MUE 4394 Seminar in Music Teaching 1 hr
- GEP 3 hrs
- CMENC
- 9 hrs

Senior Year - Summer
- GEP 3 hrs
- CMENC
- 3 hrs

Program B - Choral Program K-12

Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship II 4 hrs
- MVK 1111 Class Piano I 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs

Freshman Year - Spring
- Take General Knowledge Test
- MUL 2014 Introduction to Music History and Literature 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 1121 Music Theory and Musicianship II 4 hrs
- MVK 1111 Class Piano I 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 16 hrs

Sophomore Year - Fall
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 3 hrs
- MUE XXXX Techniques 1 hr
- MVX 242X Performance II 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs

Sophomore Year - Spring
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs

Sophomore Year - Fall
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs

Sophomore Year - Spring
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs

Sophomore Year - Fall
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs

Sophomore Year - Spring
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs

Sophomore Year - Fall
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs

Sophomore Year - Spring
- MUB 3211 Music History and Literature I 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- GEP 6 hrs
- MVX 141X Performance I 2 hrs
- MUN XXXX Ensemble 1 hr
- CMENC/Schools
- 17 hrs
### Sophomore Year - Spring

**15 hrs**

- **Apply for Professional Program**
  - EDF 2085: Introduction to Diversity for Educators 3 hrs
  - MUN XXXX Ensemble 1 hr
  - MUT 2126: Music Theory and Musicianship III 4 hrs
  - MVK 2121: Class Piano III 1 hr
  - GEP  3 hrs
  - MVX 242X: Performance II 2 hrs
  - MUG 3X02: Choral or Instrumental Conducting 2 hrs
  - MUE XXXX: Techniques 1 hr
  - MUSE XXXX: Ensemble 1 hr
  - CMENC/Schools

### Sophomore Year - Fall

**15 hrs**

- MUH 3211: Music History and Literature I 3 hrs
- MUS 1010: Music Theory 0 hrs
- MUP 2126: Music Theory and Musicianship III 4 hrs
- MVK 2121: Class Piano III 1 hr
- GEP 3 hrs
- MVX 242X: Performance II 2 hrs
- INR XXXX: Ensemble 1 hr
- CMENC/Schools

### Junior Year - Fall

**16 hrs**

- EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4323: Professional Teaching Practices 3 hrs
- MUE 4331: Secondary Choral Methods I 3 hrs
- MUG 3104: Basic Conducting 2 hrs
- MUS 1010: Music Forum 0 hrs
- MVK 4640: Voice Pedagogy 2 hrs
- MVX 343X: Performance III 2 hrs
- MUE XXXX: Techniques 1 hr
- CMENC/Schools

### Junior Year - Spring

**15 hrs**

- EME 2040: Introduction to Technology for Educators 3 hrs
- MUE 4335: Secondary Choral Methods II 3 hrs
- MUG 3202: Choral Conducting and Materials 1 hr
- MUS 1010: Music Forum 0 hrs
- MVK 2122: Class Piano III 1 hr
- MUE 4337: Secondary Instrumental Methods II 3 hrs
- MUE 4331: Elementary School Music Methods 2 hrs
- MUE 4335: Secondary Choral Methods II 3 hrs
- MUE 4351: Theory and Practice of Teaching ESOL 3 hrs
- RED 4043: Content Reading in Kindergarten through Grade 12 3 hrs
- MUE XXXX: Techniques 1 hr
- CMENC/Schools

### Senior Year - Fall

**14 hrs**

- Take PET and Music Examination of FTCE 3 hrs
- ESE 3940: Internship I - Secondary 3 hrs
- MUE 4331: Secondary Choral Methods I 3 hrs
- MUE 4333: Music Learning Theory and Assessment 3 hrs
- TSL 4080: Theory and Practice of Teaching ESOL 3 hrs
- GE 3 hrs
- EM 4331: Secondary Choral Methods I 3 hrs
- GEP 3 hrs
- CMENC 3 hrs

### Senior Year - Spring

**15 hrs**

- MUE 4331: Secondary Choral Methods I 3 hrs
- MUE 4333: Music Learning Theory and Assessment 3 hrs
- TSL 4080: Theory and Practice of Teaching ESOL 3 hrs
- GE 3 hrs
- CMENC 3 hrs

### Senior Year - Summer

**9 hrs**

- Remaining 3 GEP courses taken as part of 9 required summer hours

### Program C - Elementary Program

#### Freshman Year - Fall

**17 hrs**

- EDF 2005: Introduction to the Teaching Profession 3 hrs
- MUE 2346: Vocal Techniques 1 hr
- MUS 1010: Music Forum 0 hrs
- MUS 1121: Music Theory and Musicianship I 4 hrs
- MVK 1111: Class Piano I 1 hr
- GE 6 hrs
- MVX 141X: Performance I 2 hrs
- MUG 3X02: Choral or Instrumental Conducting 2 hrs
- MUE XXXX: Ensemble 1 hr
- CMENC/Schools

#### Freshman Year - Spring

**16 hrs**

- Take General Knowledge Test 3 hrs
- MUH 3214: Introduction to Music History and Literature 3 hrs
- MUS 1010: Music Forum 0 hrs
- MUT 1122: Music Theory and Musicianship II 4 hrs
- GEP 6 hrs
- MVX 141X: Performance I 2 hrs
- MUN XXXX: Ensemble 1 hr
- CMENC/Schools

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
Nursing (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean, Undergraduate
Ms. Patricia Leli, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses.

The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- Application for admission to the University must also be submitted by the program Application deadline.
- All general education, foreign language, and program prerequisite requirements must be completed prior to the start of the program. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- All applicants must have a minimum overall GPA of 3.0
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- All applicants must complete a mandatory information session, online or in person, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the nine (9) Common Program Prerequisites must be completed by the program application deadline. This includes Chemistry with Lab, at least 2 courses from Group A, and the remainder from Groups A or B.

**Chemistry with Lab**
- **Take all of the following:**
  - Both required, with grade of B- (2.75) or better.
  - **CHM 1032** General Chemistry and 3 hrs
  - **CHM 1032L** General Chemistry Laboratory 1 hr

**Group A**
- A minimum of two courses, with a grade of B- (2.75) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
- **Microbiology with Lab** 4 hrs
- **Anatomy with Lab** 3 hrs
- **Physiology with Lab** 3 hrs

**Group B**
- A minimum of four courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
- **Sociology** 3 hrs
- **Psychology** 3 hrs
- **Developmental Psychology** 3 hrs
- **Human Nutrition** 3 hrs
- **Statistics** 3 hrs

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program
- UCF Residency Requirement: 30 hours

1. **UCF General Education Program (GEP)** (38 hrs)
   - Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36 The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, and should be completed in the first 60 hours.

   **A: Communication Foundations** (9 hrs)
   - **B: Cultural & Historical Foundations** (9 hrs)
   - **C: Mathematical Foundations** (6 hrs)

   **1. Mathematics**
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.
   - **Prefer MAC 1105** College Algebra 3 hrs

   **2. Statistics**
   - **Required STA 2014C** Principles of Statistics or 3 hrs
   - **Required STA 2023** Statistical Methods I 3 hrs

   **D: Social Foundations** (6 hrs)

   **1. Economics/Political Science**
   - **Required ECO 2023** Principles of Microeconomics or 3 hrs
   - **Required ECO 2013** Principles of Macroeconomics or 3 hrs
   - **Required POS 2041** American National Government 3 hrs

   **2. Social Sciences**
   - Although either course satisfies General Education requirements, BOTH are required in the Common Program Prerequisites.
   - **Required PSY 2012** General Psychology or 3 hrs
   - **Required SYG 2000** Introduction to Sociology or 3 hrs

   **E: Science Foundations** (8 hrs)

   **1. Physical Sciences**
   - **Required CHM 1032** General Chemistry and 3 hrs
   - **Required CHM 1032L** General Chemistry Laboratory 1 hr

   **2. Life Sciences**
   - **Required BSC 2010C** Biology I 4 hrs

   **2. Common Program Prerequisites (CPP)** (22 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information and possible substitutions.
   - Some of these courses have prerequisites that must be taken first.
   - Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
UCF Degree Programs

- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu

- CHM 1032 General Chemistry GEP
- CHM 1032L General Chemistry Laboratory 1 hr
- HUN 3011 Human Nutrition 3 hrs
- MCB 2004C Microbiology for Health Professionals 4 hrs
- PCB 3703C Human Physiology 4 hrs
- PSY 2012 General Psychology GEP
- SYG 2000 Introduction to Sociology 3 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

Select 1: 3 hrs
- DEP 2004 Developmental Psychology or 3 hrs
- SOW 3104 Assessing I: Human Development 3 hrs

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (62 hrs)

Any variation from the following must be approved in advance by the College of Nursing:

- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs
- NUR 3145 Pharmacology for Nursing Practice 3 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3634L Community Health Nursing Clinical 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3825 The Role of the Professional Nurse 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4257 Introduction to Critical Care Nursing 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4637L Public Health Nursing Clinical 1 hr
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4945L Nursing Practicum 4 hrs

5. Restricted Electives (3 hrs)

Nursing Electives
- One College of Nursing elective approved by advisor

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives

- None

9. Additional Requirements

- To continue in the major, students must:
  - Complete all courses in major with at least a "C" (2.0).
  - Maintain a UCF GPA of 2.5 or above.
  - Maintain a College of Nursing GPA of 2.5 or above.
  - Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu

10. Required Minors

- None

11. Departmental Exit Requirements

- All courses in major must be "C" (2.0) or better.
- The UCF GPA must be 2.5 or above.
- The College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

122

Honors in Major

Honors Option Requires:
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.
- Students pursuing a BS degree must meet the University foreign language admission requirements before graduation.

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

None

Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:

- CHM 1032: May substitute any comprehensive college 4 hrs
  Chemistry course that has a lab.
- DEP 2004: May substitute any Human Growth & Development 3 hrs
  across Life Span
- HUN 3011: May substitute any Human Nutrition course 3 hrs
- MCB 2004C: May substitute any Microbiology course which 4 hrs
  has a lab.
- PCB 3703C: May take Anatomy and Physiology sequence 4 hrs
  (AP I & II).
- PSY 2012: May substitute any General Psychology course. 3 hrs
- STA 2014C: May substitute STA2023 or equivalent. 3 hrs
- SYG 2000: May substitute any Introductory Sociology course. 3 hrs
- ZOO 3733C: May take Anatomy and Physiology sequence 4 hrs
  (AP I & II).

UNIVERSITY OF CENTRAL FLORIDA

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Plan of Study

Freshman Year - Fall 13 hrs
1 GEP

BSC 2010C Biology I 4 hrs
MAC 1105 College Algebra 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

1 General Education or SLS 1501

Freshman Year - Spring 13 hrs
1 GEP

PSY 2012 General Psychology 3 hrs
2 STA 2023 Statistical Methods I 3 hrs

Select 1:

ZOO 3733C Human Anatomy 4 hrs

Sophomore Year - Fall 13 hrs
1 GEP

CHM 1032 General Chemistry 3 hrs
CHM 1032L General Chemistry Laboratory 1 hr

Select 1:

PCB 3703C Human Physiology 4 hrs

Select 1:

Select 1:

Select 1:

Select 1:

Junior Year - Fall 15 hrs

NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3825 The Role of the Professional Nurse 2 hrs

Junior Year - Spring 16 hrs

NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
NUR 3125L Nursing Care of the Adult II 3 hrs
NUR 3225L Nursing Care of the Adult II: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs

Junior Year - Summer 6 hrs

NUR 3165 Nursing Research 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall 12 hrs

NUR 4207L Nursing Care of the Adult III 3 hrs
NUR 4207L Nursing Care of the Adult III: Clinical Practice 3 hrs
NUR 4455L Psychiatric Mental Health Nursing 3 hrs
NUR 4455L Psychiatric Mental Health Clinical 2 hrs

Senior Year - Spring 13 hrs

NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4945L Nursing Practicum 4 hrs
NUR 4637L Public Health Nursing 2 hrs
NUR 4637L Public Health Nursing Clinical 1 hr
NUR 4828 Leadership, Management and Role Transition 3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alic/academic_learning_compacts.htm

Equipment Fees

Part-Time Student: $25 per term
Full-Time Student: $50 per term

Nursing - R.N. to B.S.N. Program (B.S.N.)

College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Ms. Barbara Lange, RN to BSN Coordinator
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Jean Leuner, Dean
Phone: 407-823-2744

Completion program for individuals who are licensed RNs.
This program is only available online. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.). All nursing courses are available in some courses may be offered face-to-face as well.
For more information, see http://distrib.ucf.edu/home

Admission Requirements

Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing.
All applicants must have:
Admission to UCF undergraduate program; graduation from an approved or accredited associate degree or diploma nursing program; current Licensure as an RN (or eligible); progress toward the UCF general education requirements, an AA degree from a Florida Community or State College, or eligible for the Statewide Articulated AS-BSN Program (see AS to BS): completion of all sections of CLAS (or Exempt); and, a minimum overall GPA of 2.5.
Completion of program prerequisite courses with at least a grade of “C” (2.0) or better in each course.
Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog year, including minors.
Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education Program requirements.
Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification or questions regarding prerequisite requirements.
The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other university.
A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
UCF Residency Requirement: 30 hours.
The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required MAC 1105 College Algebra 3 hrs

Select 1:

Required STA 2014C Principles of Statistics or 3 hrs

Required STA 2023 Statistical Methods I 3 hrs

Equipment Fees

Part-Time Student: $25 per term
Full-Time Student: $50 per term
D: Social Foundations (6 hrs)

Select 1:
1 Required PSY 2012 General Psychology or
1 Required SYG 2000 Introduction to Sociology

Select 1:
3 hrs

E: Science Foundations (6 hrs)

Required BSC 2010C Biology I 4 hrs
Required CHM 1032 General Chemistry 3 hrs
1 Required CHM 1032L General Chemistry Laboratory 1 hr

Science Foundation is 6 credit hours for General Education Program. However the nursing program prerequisite requires 4 CHM credits. To earn this, the student must also take CHM 1032 lab. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (CPP) (19 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 Required CHM 1032 General Chemistry GEP
CHM 1032L General Chemistry Laboratory 1 hr
HUN 3011 Human Nutrition 3 hrs
CHM 1032C Microbiology for Health Professionals 4 hrs
1 Required CHM 3011C Human Physiology 4 hrs
1 Required PSY 2012 General Psychology GEP
SYG 2000 Introduction to Sociology GEP
2 ZOO 3733C Human Anatomy 4 hrs

Select 1:
3 hrs

Select 1:
3 hrs

Select 1:

DEP 2004 Developmental Psychology or
SOV 3104 Assessing I: Human Development

1 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits

3. Core Requirements: Basic Level (0 hrs)

None

4. Core Requirements: Advanced Level (51 hrs)

UCF Core
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3165 Nursing Research 3 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 4604L Practicum in Community and Public Health 4 hrs
NUR 4637 Public Health Nursing 2 hrs
NUR 4637L Public Health Nursing Clinical 1 hr
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

Upper Division Credit

Upper Division Credit may be met by Validation.
NUR 3224 Essentials of Nursing Practice 2 hrs
NUR 3224L Essentials of Nursing Practice Lab 1 hr
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4536 Psychiatric Mental Health Nursing 3 hrs
NUR 4536L Psychiatric Mental Health Clinical 2 hrs
NUR 4536L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)

Any two upper division nursing electives

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

None

8. Electives

variable to meet degree requirements

9. Additional Requirements

Progression Requirements:

Prior to NUR 3805: RN status or eligible to take NCLEX.
Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
Prior to NUR 3634 Community Health Nursing: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida public Community College or State University System (SUS); 3) complete Nursing prerequisites; 4) CLAS requirement satisfied; and 5) complete foreign language admission requirement.

Take all of the following: hr

Admission to the nursing program
Complete general education requirements and prerequisites or AA from a Florida public community college or state university system (SUS).
Complete foreign language admission requirement

Other:

Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.
The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors

None

11. Departmental Exit Requirements

Completion of all courses in major with a grade of "C" (2.0) or better
Overall cumulative GPA of 2.5 or above
College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Health Services Administration
Social Work

Certificates

Aging Studies
Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (30 hrs)
- assuming general education, foreign language, and nursing prerequisites are complete

Junior Year - Fall
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs

Junior Year - Spring
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

Junior Year - Summer
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall
- NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
- NUR XXXX Nursing Elective 3 hrs

Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public Health Nursing 2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - SCC/UCF ASN to BSN enrollment option (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
Ms. Susan Ricci
Phone: 407-404-6088

A partnership between Seminole State College of Florida (SSC) and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enter the RN to BSN program while completing the ASN at SCC. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the Seminole State College Nursing Program are eligible for this SSC/UCF enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to the UCF College of Nursing. Students are accepted into this program during their first semester of nursing at SSC and must progress according to a designated plan of study.

- Students not yet admitted to UCF must make application and be accepted by the University. Upon completion of the ASN and successful licensure as a Registered Nurse, students will enroll in remaining UCF nursing upper division courses to complete the BSN.

- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

At the time of application, students must have:
- A cumulative GPA of 3.0 or above.
- Been accepted for enrollment and in good standing at SSC ASN Nursing program.

- An AA degree from a Florida Community College or have met ALL UCF General Education requirements at time of application.

- Met UCF Foreign Language admission requirement.

- Completed pre-requisite coursework for both the UCF and the SCC nursing programs - at time of application.

- CLAS requirement satisfied.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.

- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.

- Students should consult with an advisor in the SSC/UCF Concurrent Nursing program for clarification of questions regarding prerequisite requirements.

- The courses designated in sections 1 and 2 below may be taken at a Florida Community College or other university.

- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.

- UCF Residency Requirement: 30 hours.

- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Prefer MAC 1105 College Algebra 3 hrs

Select 1: 3 hrs

Required STA 2014C Principles of Statistics or 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

Select 1: 3 hrs

Required PSY 2021 General Psychology or 3 hrs
Required SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs

Suggested ECO 2013 Principles of Microeconomics or 3 hrs
Suggested ECO 2023 Principles of Macroeconomics or 3 hrs
Suggested POS 2041 American National Government 3 hrs

1 One of these courses is required to meet General Education requirements, but both are required program prerequisites.

E: Science Foundations (7 hrs)

Required BSC 2010C Biology I 4 hrs
Required CHM 1032 General Chemistry 3 hrs
Required CHM 1032L General Chemistry Laboratory 1 hr

1 Science Foundation is six credit hours for General Education Program.

However the nursing program prerequisite requires four CHM credits. To earn this, the student must also take the CHM 1032 lab. This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
UCF Degree Programs

2. Common Program Prerequisites (CPP) (19 hrs)
- Applicants should see a UCF Nursing Advisor for possible course substitutions.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 CHM 1032 General Chemistry GEP
1 CHM 1032L General Chemistry Laboratory 1 hr
1 HUN 3011 Human Nutrition 3 hrs
1 MCB 2004 Microbiology for Health Professionals 4 hrs
1 MCB 3703C Human Physiology 4 hrs
1 PSY 2012 General Psychology GEP
1 SYG 2000 Introduction to Sociology 3 hrs
1 ZOO 3733C Human Anatomy 4 hrs

Select 1:
1 STA 2014C Principles of Statistics or
1 STA 2023 Statistical Methods I GEP
1 SYG 2000 Introduction to Sociology GEP
1 SOW 3104 Assessing I: Human Development GEP

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (52 hrs)
Core UCF Requirements 25 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3806 Professional Socialization Seminar 1 hr
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

Upper Division Credit 27 hrs
- May be met by validation
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 3755 Essentials of Nursing Practice Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)
- Any two upper division nursing electives 6 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- variable to meet degree requirements

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “C” (2.0) or better
- Overall Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration
- Social Work

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (31 hrs)

Sophomore Year - Spring
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3806 Professional Socialization Seminar 1 hr

Sophomore Year - Summer
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs

Junior Year - Fall
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

Junior Year - Spring
- NUR XXXX Elective 1 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

Senior Year - Fall
- NUR 4637 Public Health Nursing 2 hrs
- NUR XXXX Nursing Elective 2 3 hrs

Senior Year - Spring
- NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
- NUR 4828 Nursing Leadership, Management and Role Transition

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)
NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Nursing - R.N. to M.S.N. Option (B.S.N.)
NOTE: For detailed information, see description of this program in the Accelerated Undergraduate-Graduate Programs section.

Nursing - A.S. to B.S.N. Track (B.S.N.)
NOTE: For detailed information, see description of this program in the Statewide Articulated AS to BS Programs section.

Philosophy (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Don Jones
Dr. Jennifer Mundale
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
Required HUM 2210 Humanistic Tradition I
Required HUM 2230 Humanistic Tradition II
Required PHI 2010 Introduction to Philosophy

C: Mathematical Foundations (6 hrs)
1 Prefer MGF 1106 Finite Mathematics
2 Prefer STA 1060C Basic Statistics Using Microsoft Excel

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
- None

3. Core Requirements: Basic Level (0 hrs)
HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
PHI 2010 Introduction to Philosophy

4. Core Requirements: Advanced Level (36 hrs)

Core
1 PHI 3083 Research Methods in Philosophy
2 PHI 4938 Senior Research Seminar

Reasoning (6 hrs)
Select 2:
PHI 2011 Philosophical Reasoning or
PHI 2101 Formal Logic I or
PHI 2108 Critical Thinking or
PHI 2647 Logic and Ethics or
PHI 3131 Formal Logic II

History of Philosophy (9 hrs)
Select 2:
PHI 3100 Ancient Philosophy or
PHI 3200 Medieval Philosophy or
PHI 3460 Modern Western Philosophy

Select 1:
PHI 3510 Marx and Nietzsche or
PHI 3600 Contemporary Philosophy or
PHI 3700 American Philosophy or
PHI 3790 African Philosophy

Values and Society (6 hrs)
Select 2:
PHI 3701 Native American Philosophy or
PHI 3625 Virtual Ethics or
PHI 3626 Advanced Ethics in Science and Technology or
PHI 3638 Ethical Issues in the 21st Century or
PHI 3640 Environmental Ethics or
PHI 3670 Ethical Theory or
PHI 3800 Aesthetics or
PHI 3805 Contemporary Aesthetics or
PHI 4633 Ethics and Biological Science or
PHM 3100 Freedom and Justice or
PHM 3123 Feminist Theories or
PHM 3401 Philosophy of Law or
PHM 4031 Environmental Philosophy

Being and Knowing (6 hrs)
Select 2:
PHI 3320 Philosophy of Mind or
PHI 3323 Minds and Machines: Philosophy of Cognitive Science or
PHI 3451 Philosophy of Psychology or
PHI 3700 Philosophy of Religion or
PHI 4221 Philosophy of Language or
PHI 4300 Theories of Knowledge or
PHI 4341 Ways of Knowing or
PHI 4400 Philosophy of Science or
PHI 4420 Philosophy of Social Science or
PHI 4500 Metaphysics or
PHP 4782 Phenomenology

Topics in Philosophy (3 hrs)
Select 1:
Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.
## UCF Degree Programs

**PHI 4804** Critical Theory or 3 hrs  
**PHI 4931** Philosophy in the News or 3 hrs  
**PHI 4935** Topics in Philosophy of Mind or 3 hrs  
**PHP 3783** Modernity as a Philosophical Problem or 3 hrs  
**PHP 3786** Existentialism or 3 hrs  
**REL 3111** Religion and Philosophy Through Film 3 hrs  

### 5. Restricted Electives (6 hrs)  
- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

### 6. Capstone Requirements  
- None

### 7. Foreign Language Requirements  
Admissions  
- Met by graduation requirement.

Graduation  
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

### 8. Electives  
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements  
- None

### 10. Required Minors  
- None

### 11. Departmental Exit Requirements  
- Earn a “C” (2.0) or better in each required course.  
- Departmental Exit Exam in final semester.  
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.

#### Computer Competency met by one of the following: 3 hrs  
- PHI 4938 Senior Research Seminar or 3 hrs  
- PHI 4970H Undergraduate Honors Thesis or 1 hr  
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs  

Complete one of the following: 3 hrs  
- PHI 4938 Senior Research Seminar or 3 hrs  
- PHI 4970H Undergraduate Honors Thesis 1 hr

### 12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required  
- 120

### Honors in Major  
- Students considering graduate school in philosophy are strongly encouraged to take Honors in the Major. Requirements are as follows:

#### Core Requirements 36 hrs  
- Same requirements as for regular majors, but must include the following:  
- PHI 2101 Formal Logic I 3 hrs

### Upper Division Restricted Electives 6 hrs  
- Same as requirement for regular majors

#### Honors Thesis  
- PHI 4903H Honors Directed Reading I 1 hr  
- PHI 4970H Undergraduate Honors Thesis 1 hr

### Additional Requirements  
- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.  
- Fulfill University requirements for Honors in the Major.  
- Maintain UCF GPA of at least 3.2 and a Philosophy GOA of at least 3.5.  
- Successful completion and oral defense of Honors thesis.  
- Earn a “B” (3.0) or better in both of the following courses:  
  - PHI 4903H Honors Directed Reading I 1 hr  
  - PHI 4970H Undergraduate Honors Thesis 1 hr

### Related Programs  
- Humanities  
- Humanities - Philosophy, Religion, & Popular Culture Track  
- Religious Studies

#### Certificates  
- None

### Related Minors  
- Cognitive Sciences  
- Environmental Studies  
- Humanities  
- Philosophy  
- Religious Studies  
- Women’s Studies

### Advising Notes  
- None

#### Transfer Notes  
- Courses taken at community colleges do not substitute for Upper Division courses.  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses  
- None

#### Plan of Study  
- One of numerous possible plans of study. See program description for all requirements.

#### Freshman Year - Fall 16 hrs  
- ENC 1101 Composition I 3 hrs  
- HUM 2210 Humanistic Tradition I 3 hrs  
- MGF 1106 Finite Mathematics 3 hrs  
- PHI 2010 Introduction to Philosophy 3 hrs  
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

#### Freshman Year - Spring 16 hrs  
- Restricted Elective 3 hrs  
- ENC 1102 Composition II 3 hrs  
- HUM 2230 Humanistic Tradition II 3 hrs  
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs  
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

#### Sophomore Year - Fall 15 hrs  
- GEP 3 hrs  
- GEP 3 hrs  
- GEP 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs

#### Sophomore Year - Spring 15 hrs  
- GEP 3 hrs  
- GEP 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs  
- Restricted Elective 3 hrs
Junior Year - Fall  
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
PHI 3083 Research Methods in Philosophy  3 hrs

Junior Year - Spring  
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
Restricted Elective  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
PHI 4938 Senior Research Seminar  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oears.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student:
- Full-Time Student:

Photography (B.S.)  
College of Arts and Humanities  
School of Visual Arts and Design  
Jason Burrell, 386-506-3944

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-Studio B.A. and Art-B.F.A. programs.)

The School of Visual Art and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, school courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
- Completion of an A.S. in Photographic Technology from Daytona State College or equivalent coursework.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a Photography advisor before selecting this major, and at least annually thereafter.
- Upper-division electives, internship credit, and course substitutions must be approved by the program director.
- Students must earn at least a “C” in each required upper level course and maintain an overall GPA of at least 2.0

1. UCF General Education Program (GEP)  (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific courses will depend on the general education courses completed as part of the articulated A.S., and will come from the following areas:

A: Communication Foundations  (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  (6 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 1105 College Algebra or MGF 2106 College Mathematics or MGF 2107 Mathematics for Liberal Arts  3 hrs
- Computer Science or Statistics  3 hrs

D: Social Foundations  (6 hrs)
- Political Science or Economics  3 hrs
- Psychology or Sociology (If not already completed as part of the A.S. degree, after acceptance into the program.)  3 hrs

E: Science Foundations  (6 hrs)
- Physical Science  3 hrs
- Life Science  3 hrs

2. Common Program Prerequisites (CPP)  (10 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

ARH 2051 History of Western Art II  3 hrs
PGY 3610C Photojournalism I  3 hrs
PGY 1403 Fundamentals of Photography  4 hrs

3. Core Requirements: Basic Level  (45 hrs)
- A.S. Required Courses:
- (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)

PGY 1115 Color Materials and Processes  7 hrs
PGY 1806 Digital Imaging  4 hrs
PGY 2000 History and Aesthetics of Photography  3 hrs
PGY 2107 Large Format Photography  4 hrs
PGY 2215 Professional Studio Portraiture  4 hrs
PGY 2216 Location Photography  4 hrs
PGY 1800 Photography and the Digital Image  3 hrs
PGY 2300 Field Survey of Professional Workshop  3 hrs
PGY 2650 Editorial Photography  4 hrs
PGY 2470 Advanced Photography Workshop OR  4 hrs
PGY 2935 Portfolio Workshop  4 hrs

4. Core Requirements: Advanced Level  (36 hrs)
- CRW 3011 Creative Writing for Non-Majors  3 hrs
- ENC 2350 Professional Writing  3 hrs
PGY 3002 Contemporary Photography  3 hrs
PGY 3205C Photographic Lighting Techniques  3 hrs
PGY 3276 The Professional Environment  3 hrs
PGY 3651C Narrative Editorial Photography  3 hrs
PGY 3653C Advanced Editorial Photography  3 hrs
PGY 3703C Photography and Web Design  3 hrs
PGY 3751C Videography  3 hrs
PGY 3821C Advanced Digital Photography  3 hrs
PGY 4003 Image, Culture, and Society  3 hrs
PGY 4228C Advanced Illustrative Photography  3 hrs
PGY 4471 Photography Thesis  3 hrs
1 Only one of these two courses may be selected

5. Restricted Electives  (6 hrs)
Select two of the following courses:
PGY 3451C Alternative Processes  3 hrs
PGY 3480 Museum and Gallery Practices  3 hrs
PGY 4472C Photo Visualization  3 hrs
PGY 4493C Photography and Art  3 hrs
PGY 4941 Internship  3 hrs
PGY 4255C Professional Photographic Workshop  3 hrs

UCF Degree Programs
### UCF Degree Programs

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- None

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 42 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

**Total Semester Hours Required**
- 127

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.
- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**
- Acceptable substitutes for General Education and Common Program Prerequisites

**Plan of Study**
- None

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

---

**Physics (B.S.)**

**College of Sciences**

Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu

E-mail: physics@ucf.edu

Dr. Talat Rahman
Phone: 407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>CHM 2045C</td>
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<tr>
<td>CHM 2046</td>
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</tr>
<tr>
<td>CHM 2046L</td>
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</tr>
<tr>
<td>MAC 2311</td>
<td>4</td>
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<td>4</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>4</td>
</tr>
</tbody>
</table>

1. **UCF General Education Program (GEP)**

- 127 semester hours
- 127 semester hours of all courses must be completed
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
- A 2.0 UCF GPA

**A: Communication Foundations**
- 9 hours

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>SPC 1603</td>
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**Take all of the following:**
- 6 hours

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ENC 1101</td>
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<tr>
<td>ENC 1102</td>
<td>3</td>
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</table>

**B: Cultural & Historical Foundations**
- 9 hours

<table>
<thead>
<tr>
<th>Course Code</th>
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<td>MAC 2311</td>
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</table>

**C: Mathematical Foundations**
- 7 hours

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<tr>
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<td>4</td>
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**D: Social Foundations**
- 6 hours

**E: Science Foundations**

1. **Physical Science**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>PHY 2048C</td>
<td>4</td>
</tr>
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</table>

2. **Life sciences**

<table>
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<tr>
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<tbody>
<tr>
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2. Common Program Prerequisites (CPP) (20 hrs)

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<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
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<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td></td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
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</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

Note: These courses are considered equivalent.

3. Core Requirements: Basic Level (36 hrs)

- Required of all specializations.
  - MAP 2302  Differential Equations                      3 hrs
  - PHY 3101  Physics for Engineers and Scientists III    3 hrs
  - PHY 3220  Mechanics I                                 3 hrs
  - PHY 3323  Electricity and Magnetism I                 3 hrs
  - PHY 3513  Thermal and Statistical Physics             3 hrs
  - PHY 4324  Electricity and Magnetism II                3 hrs
  - PHY 4604  Wave Mechanics I                            3 hrs
  - PHY 4605  Wave Mechanics II                           3 hrs
  - PHZ 3113  Introduction to Theoretical Methods of Physics 3 hrs
  - PHY 4912  Directed Independent Research (in area of specialization) 3 hrs

4. Core Requirements: Advanced Level (0 hrs)

- Select one specialization

4.1. General Physics Specialization (18 hrs)

- PHY 4803L Advanced Physics Laboratory 3 hrs

4.2. Materials Physics Specialization (18 hrs)

- Select 1:
  - EEE 5356C Fabrication of Solid-State Devices or 4 hrs
  - PHY 4803L Advanced Physics Laboratory 3 hrs

- Select 3:
  - CHM 3411L Physical Chemistry Laboratory or 9 hrs
  - EEE 3350 Semiconductor Devices I or 2 hrs
  - EEE 5352 Semiconductor Material and Device Characterization or 3 hrs
  - EGN 3365 Structure and Properties of Materials or 3 hrs
  - EMA 4413 Fundamentals of Electronic Materials or 3 hrs
  - PHZ 5405 Condensed Matter Physics 3 hrs

Directed Electives: 6 hrs

- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.3. Optics and Lasers Specialization (18 hrs)

- Select 2:
  - EEL 4440 Optical Engineering or 3 hrs
  - OSE 5203 Geometrical Optics and Imaging Systems or 3 hrs
  - OSE 5312 Light Matter Interaction or 3 hrs
  - OSE 5414 Fundamentals of Electro-Optical Devices or 3 hrs
  - PHY 4445 Lasers 3 hrs

Directed Electives: 9 hrs

- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization (19 hrs)

- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COT 4500 Numerical Calculus 3 hrs
- PHZ 3151 Computer Methods in Physics 3 hrs

Directed Electives: 6 hrs

- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization (18 hrs)

- AST 2002 Astronomy 3 hrs
- AST 3722C Techniques of Observational Astronomy 3 hrs

Select 2:

- AST 3110 Solar System Astronomy or 3 hrs
- AST 3211 Stellar Astrophysics or 3 hrs
- AST 3402 Galaxies and Cosmology 3 hrs

Directed Electives: 6 hrs

- Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives (0 hrs)

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Students must have at least a 2.0 GPA in all courses counted toward the major.

- Students will be required to take a nationally normed test in Physics during their last semester.

- Students will have an exit interview in their last semester with a representative of the Physics Undergraduate Committee.

- Before applying to graduate, the CLAS must be completely satisfied.

- Computer Competency met by the following or a departmental exam.

- COP 3223 Introduction to Programming with C 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residence at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
## UCF Degree Programs

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- Electrical Engineering
- Mathematics - Applied Track
- Mathematics - Engineering/Physics Track
- Mathematics - Pure Track
- Mechanical Engineering

### Certificates
- None

### Related Minors
- Astronomy
- Mathematics
- Physics

### Advising Notes
- None

### Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 2045C: may use CHM 1040 plus CHM 1041 or CHM 2040C plus CHM 2041C

### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

### Junior Year - Fall
- **15 hrs**
  - GEP 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - PHY 3220 Mechanics I 3 hrs
  - PHY 4324 Electricity and Magnetism II 3 hrs

### Senior Year - Fall
- **15 hrs**
  - Free Elective 3 hrs
  - Restricted Elective 3 hrs
  - Restricted Elective 3 hrs
  - PHY 4604 Wave Mechanics I 3 hrs
  - PHY 4912 Independent Research 3 hrs

### Senior Year - Spring
- **14 hrs**
  - GEP 3 hrs
  - Restricted Elective 3 hrs
  - Free Elective 2 hrs
  - Free Elective 3 hrs
  - PHY 4605 Wave Mechanics II 3 hrs
  - Physics Test-Nationally normed

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

### Political Science (B.A.)
**College of Sciences**

**Department of Political Science, Howard Phillips Hall,**

Room: 302

[http://www.cos.ucf.edu/politicalscience](http://www.cos.ucf.edu/politicalscience)

E-mail: politics@ucf.edu

Dr. Roger Handberg
Phone: 407-823-2608

### Admission Requirements
- None

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### Double major/dual degree policy in Political Science programs and minors
- 1. Students who double major in Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
  - POS 2041 American National Government 3 hrs
  - POS 3703 Scope and Methods of Political Science 3 hrs
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
  - POS 2041 American National Government 3 hrs
- 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
Select from GEP B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
GE Math
Prefer MGF 1106 Finite Mathematics 3 hrs
Prefer MGF 1107 Explorations in Mathematics or 3 hrs
You may substitute a higher level math with appropriate scores on the Math Placement Test.

GEP - Statistics
Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
Prefer STA 2014C Principles of Statistics or 3 hrs
You may substitute a higher level statistics course.

D: Social Foundations (6 hrs)
Required POS 2041 American National Government 3 hrs
Select from GEP D.2 list 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (0 hrs)

5. Restricted Electives (30 hrs)
Choose one of the following tracks.

Track 1: American Politics and Policy
Five courses from Area A 15 hrs
Two courses from Area B 6 hrs
Two courses from Area C 6 hrs
One additional course from any Area 3 hrs

Track 2: International Relations-Comparative Politics
No more than two of the following courses may be considered part of area B credit:
INR 4401 International Law I or 3 hrs
INR 4402 International Law II or 3 hrs
INR 4404 Space Law 3 hrs

Two courses from Area A 6 hrs
Five courses from Area B 15 hrs
Two courses from Area C 6 hrs
One additional course from any Area 3 hrs

Track 3: Prelaw
Please see Political Science - Prelaw Track

Areas of Specialization
A. American Politics and Policy Area (0 hr)
POS 3076 American Indian Politics or 3 hrs
POS 3122 State Government and Public Policy or 3 hrs
POS 3173 Southern Politics or 3 hrs
POS 3182 Florida Politics or 3 hrs
POS 3233 Public Opinion or 3 hrs
POS 3235 Mass Media and Politics or 3 hrs
POS 3258 Politics in Film or 3 hrs
POS 3273 Voting and Elections or 3 hrs
POS 3413 The American Presidency or 3 hrs
POS 3424 Congress and the Legislative Process or 3 hrs
POS 3443 Political Parties and Processes or 3 hrs
POS 3463 Interest Groups or 3 hrs
POS 3627 Cultural Pluralism and Law or 3 hrs
POS 4074 Latino Politics or 3 hrs
POS 4142 Metropolitan Politics or 3 hrs
POS 4204 Political Behavior or 3 hrs
POS 4246 Political Socialization or 3 hrs
POS 4284 Judicial Process and Politics or 3 hrs
POS 4412 Presidential Campaigning or 3 hrs
POS 4603 American Constitutional Law or 3 hrs
POS 4604 American Constitutional Law II or 3 hrs
POS 4622 Politics and Civil Rights or 3 hrs
POS 4742 Geographic Information Systems for the Political Scientist or 3 hrs

B. International Relations and Comparative Government Area
CPO 3034 Politics of Developing Areas or 3 hrs
CPO 3103 Comparative Politics or 3 hrs
CPO 3104 Politics of Western Europe or 3 hrs
CPO 3132 Canadian Studies or 3 hrs
CPO 3403 Politics of the Middle East or 3 hrs
CPO 3614 Politics of Eastern Europe or 3 hrs
CPO 4047 Politics of the NAFTA Region or 3 hrs
CPO 4062 Comparative Judicial Process or 3 hrs
CPO 4074 Political Economy or 3 hrs
CPO 4101 Politics of the European Union or 3 hrs
CPO 4123 Government and Politics of Great Britain or 3 hrs
CPO 4303 Comparative Latin American Politics or 3 hrs
CPO 4445 Comparative Political Parties or 3 hrs
CPO 4514 Politics of East Asia or 3 hrs
CPO 4553 Politics of Japan or 3 hrs
CPO 4643 Government and Politics of Russia or 3 hrs
CPO 4710 Women in Comparative Politics or 3 hrs
CPO 4754 Comparative Political Institutions or 3 hrs
CPO 4784 Political and Economic Inequality in Comparative Perspective or 3 hrs
CPO 4794 Indigenous Politics and the Environment or 3 hrs
GEO 3471 World Political Geography or 3 hrs
IDS 4315 Global Perspectives or 3 hrs
INR 2002 International Relations-Theory and Practice or 3 hrs
INR 3016 Global Political Issues or 3 hrs
INR 3250 Politics of Pan-Africanism or 3 hrs
INR 3253 International Politics of Africa or 3 hrs
INR 4011 Politics of Globalization or 3 hrs
INR 4030 Diplomacy or 3 hrs
INR 4035 International Political Economy or 3 hrs
INR 4054 Global Politics of Energy or 3 hrs
INR 4060 Causes of War or 3 hrs
INR 4064 Changing Nature of War or 3 hrs
INR 4074 Immigration Policy or 3 hrs
INR 4075 Human Rights Policy or 3 hrs
INR 4076 Global Drug Policy or 3 hrs
INR 4084 Politics of International Terrorism or 3 hrs
**UCF Degree Programs**

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<td>INR 4085</td>
<td>Women, Gender, and Globalization or</td>
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<tr>
<td>INR 4102</td>
<td>American Foreign Policy or</td>
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<tr>
<td>INR 4104</td>
<td>Topics and Cases in American Foreign Policy or</td>
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<td>INR 4114</td>
<td>American Security Policy or</td>
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<td>INR 4115</td>
<td>Strategic Weapons and Arms Control or</td>
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<td>INR 4224</td>
<td>Contemporary International Politics of Asia or</td>
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<td>The Vietnam War or</td>
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<td>International Organizations or</td>
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<td>Politics of International Trade Policy or</td>
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<td>POS 3253</td>
<td>Contemporary Revolution and Political Violence or</td>
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<td>Comparative Public Policy or</td>
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<td>POS 3508</td>
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**C. Political Theory Area**

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<tr>
<td>POS 4006</td>
<td>Political Psychology or</td>
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<td>POT 3004</td>
<td>American Political Thought or</td>
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<td>POT 3302</td>
<td>Modern Political Ideologies or</td>
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<td>POT 4003</td>
<td>Political Theory or</td>
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<td>POT 4025</td>
<td>Ancient, Medieval and Early Modern Political Philosophy or</td>
<td>3 hrs</td>
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<td>POT 4054</td>
<td>Modern Political Philosophy or</td>
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<td>POT 4066</td>
<td>Contemporary Political Theory or</td>
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<tr>
<td>POT 4109</td>
<td>Politics and Literature or</td>
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<tr>
<td>POT 4305</td>
<td>The State, Society, and the Individual or</td>
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<td>POT 4314</td>
<td>Contemporary Democratic Theory or</td>
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<td>Utopia/Dystopia or</td>
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<td>POT 4345</td>
<td>Pan-Africanist Thought or</td>
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<td>Marxist Political Theory or</td>
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<td>POT 4632</td>
<td>Religion and Politics or</td>
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**6. Capstone Requirements**

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<th>Details</th>
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**7. Foreign Language Requirements**

**Admissions**

- Met by graduation requirement

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

**8. Electives**

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- Maintain a minimum GPA of 2.0 in the major
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - POS 3703 Scope and Methods of Political Science 3 hrs

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

**Related Programs**

- Economics
- History

**Certificates**

- Diplomacy

**Related Minors**

- Economics
- History
- Philosophy
- Psychology
- Sociology

**Advising Notes**

- None

**Transfer Notes**

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

**Plan of Study**

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>GEP</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>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Political Science - Prelaw Track (B.A.)

Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

While no specific major is prescribed for admission to law school, many prelaw students elect to major in political science. These individuals usually choose the prelaw emphasis within the political science major.

Prelaw students are encouraged to work closely with a prelaw advisor in planning their programs. By judicious use of electives, students build a firm foundation for law school entry and acquire a broad training which can result in career options upon graduation. For further information, consult one of the Department’s prelaw advisors or the College of Arts and Sciences Prelaw Advisor.

The following represent a suggested curriculum which both meets the requirements for a Political Science Degree while preparing you for professional school.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors

1. Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following courses:
   - POS 2041 American National Government 3 hrs
   - POS 3703 Scope and Methods of Political Science 3 hrs
2. Students who major in any Political Science track, and minor in International and Global Studies, shall not accumulate more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
     - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
     - Select a course from GEP B.2 list 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - Math:
       - Prefer MGF 1106 Finite Mathematics or 3 hrs
       - Prefer MGF 1107 Explorations in Mathematics or 3 hrs
       - You may substitute a higher level math with appropriate scores on the Math Placement Test.
     - Statistics:
       - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
       - Prefer STA 2014C Principles of Statistics or 3 hrs
       - You may substitute a higher level statistics course. 3 hrs
   - D: Social Foundations (6 hrs)
     - Political Science:
       - Required POS 2041 American National Government 3 hrs
     - Social Science:
       - Select one of the listed courses 3 hrs
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - See Transfer Notes for possible substitutes for the following courses.
     - POS 2041 American National Government GEP
     - POS 3703 Scope and Methods of Political Science 3 hrs

3. Core Requirements: Basic Level (0 hrs)
### UCF Degree Programs

#### 4. Core Requirements: Advanced Level
- POS 3703: Scope and Methods of Political Science (3 hrs)
- POS 4264: Judicial Process and Politics (3 hrs)

#### 5. Restricted Electives
- (27 hrs)
  - Select one of the following four courses:
    - INR 4401: International Law I or 3 hrs
    - INR 4402: International Law II or 3 hrs
    - POS 4603: American Constitutional Law or 3 hrs
    - POS 4604: American Constitutional Law II 3 hrs

And, select one of the following two options:
- (See Area courses list under Political Science) 24 hrs
  - Five courses from area A and 15 hrs
  - Two courses from area B and 6 hrs
  - One course from area C 3 hrs

**OR**
- Two courses from area A and 6 hrs
- Five courses from area B and 15 hrs
- One course from area C 3 hrs

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements
- Admissions
  - Met by graduation requirement
- Graduation
  - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

#### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

The following courses are not required, but serious students should consider taking these as free electives.
- ACG 2021: Principles of Financial Accounting 3 hrs
- ACG 2071: Principles of Managerial Accounting 3 hrs
- BUL 3130: Legal and Ethical Environment of Business 4 hrs
- ENC 3241: Writing for the Technical Professional 3 hrs
- ENC 3250: Professional Writing 3 hrs
- MHF 3302: History of the English Language 3 hrs
- MTH 2205: Logic and Proof in Mathematics 3 hrs
- PHI 2101: Formal Logic I 3 hrs
- PLA 3108: Legal Research 3 hrs
- PLA 3155: Legal Writing 3 hrs
- POS 4941L: Political Science Internship 3 hrs

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following: POS 3703: Scope and Methods of Political Science 3 hrs

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

#### Honors in Major
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

#### Related Programs
- Criminal Justice
- Economics
- History
- Legal Studies
- Philosophy

#### Certificates
- Diplomacy

#### Related Minors
- Criminal Justice
- Economics
- English - Creative Writing
- History
- Legal Studies
- Philosophy

#### Advising Notes
- None

#### Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - POS 2041: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major and is a prerequisite to subsequent courses, it still must be taken.
  - POS 3703: any three hours of introductory Political Science classes will satisfy the CPP. However since this course is required in the core of the major, it still must be taken.

#### Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year - Fall
- 15 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - AMH 2010: U.S. History; 1492-1877 3 hrs
  - ENC 1101: Composition I 3 hrs
  - POS 2041: American National Government 3 hrs

#### Freshman Year - Spring
- 15 hrs
  - GEP 3 hrs
  - GEP 3 hrs
  - AMH 2020: U.S. History: 1877-Present 3 hrs
  - ENC 1102: Composition II 3 hrs
  - STA 2014C: Principles of Statistics 3 hrs

#### Sophomore Year - Fall
- 16 hrs
  - GEP 3 hrs
  - Restricted Elective 3 hrs
  - Supporting Elective 3 hrs
  - Foreign Language 4 hrs
  - Supporting Elective 3 hrs
### Psychology (B.S.)

**College of Sciences**

Department of Psychology, Psychology Building, Room: 301  
http://www.psych.ucf.edu/  
E-mail: psychadvising@mail.ucf.edu  
Phone: 407-823-2216  
Contact: Psychology Advising Center, PSY 250, 407-823-2219;  

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog  
- Departmental Residency Requirement: at least 21 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Psychology Department  
- Students must earn at least a "C" (2.0) in each course counted toward the core requirements, restricted electives, and diversity courses  
- Co-op or internship credit cannot be used in this major without prior approval  
- Students should consult with the Department Director of Undergraduate Advising, prior to applying for graduation (before registration for the final term).  
- Graduating seniors should complete the senior exit survey  
- Additional requirements exist for students pursuing the Honors in the major program.  
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### UCF Degree Programs

#### Psychology (B.S.)

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Sophomore</td>
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<tr>
<td>GEP</td>
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<tr>
<td>Restricted Elective</td>
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<td>3 hrs</td>
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<tr>
<td>Supporting Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Foreign Language</td>
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</tr>
<tr>
<td>POS 3703</td>
<td>Scope and Methods of Political Science</td>
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<thead>
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<th>Fall</th>
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<td>Restricted Elective</td>
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<td>3 hrs</td>
</tr>
<tr>
<td>Supporting Elective</td>
<td>3 hrs</td>
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<tr>
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<tr>
<td>Supporting Elective</td>
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<tr>
<td>POS 4284</td>
<td>Judicial Process and Politics</td>
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<th>Spring</th>
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<tr>
<td>Supporting Elective</td>
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<tr>
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<th>Fall</th>
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<td>3 hrs</td>
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<tr>
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<table>
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<th>Senior Year</th>
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<td>Supporting Elective</td>
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</tbody>
</table>

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### 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 substitutes.

#### A: Communication Foundations (9 hrs)

#### B: Cultural & Historical Foundations (9 hrs)

#### C: Mathematical Foundations (6 hrs)

#### Math: (3 hrs)

- You may substitute a higher level math with appropriate scores on the Math Placement Test.

#### Statistics: (3 hrs)

- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

#### D: Social Foundations (6 hrs)

#### Social Sciences: (3 hrs)

- Required PSY 2012 General Psychology

#### Political Science/Economics (3 hrs)

- Select one of the listed courses

#### E: Science Foundations (6 hrs)

#### Biology: Select the advanced option if additional biology courses are planned.

- Required BSC 1005 Biological Principles or BSC 2010C Biology I
- Required BSC 1005 Biological Principles or BSC 2010C Biology I

#### Physical or Chemical: Select a listed course (3 hrs)

- Select one of the listed courses

### 2. Common Program Prerequisites (CPP) (3 hrs)

- See Transfer Notes for possible substitutes for the courses listed below.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### DEP 2004 Developmental Psychology (3 hrs)

#### PSY 2012 General Psychology (3 hrs)

#### Biology: (0 hr)

- Select the advanced course if additional biology courses are planned.

#### Statistics: (0 hr)

- Required STA 2014C Principles of Statistics or STA 2023 Statistical Methods I

### 3. Core Requirements: Basic Level (0 hrs)

#### Lower Level Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
<td>GEP</td>
</tr>
<tr>
<td>BSC 1005</td>
<td>Biological Principles or GEP</td>
<td></td>
</tr>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics or GEP</td>
<td></td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (15 hrs)

#### Lower Level Core Requirements

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>PSB 3002</td>
<td>Physiological Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 3204C</td>
<td>Statistical Methods in Psychology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSY 3213C</td>
<td>Research Methods in Psychology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PSY 4604</td>
<td>History and Systems of Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (33 hrs)

#### A. Experimental: Select two of the following: (6 hrs)

- EXP 3204C Perception or 4 hrs
- EXP 3404 Basic Learning Processes or 3 hrs
- EXP 3604 Cognitive Psychology or 3 hrs
- PSY 4215C Advanced Research Methods in Psychology 4 hrs
UCF Degree Programs

<table>
<thead>
<tr>
<th>Section</th>
<th>Courses</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>B. Personality/Social</td>
<td>Select one of the following:</td>
<td></td>
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<tr>
<td></td>
<td>PPE 3003 Personality Theory</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>SOP 3004 Social Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C. Developmental</td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DEP 2004 Developmental Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>DEP 3202 Psychology of Exceptional Children</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>DEP 3464 Psychology of Aging</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D. Diversity</td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CLP 3184 Women’s Mental Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>SOP 3723 Cross Cultural Psychology</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>SOP 3724 Psychology of Prejudice</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td>SOP 3742 Psychology of Women</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>SOP 3784 Psychology of Diversity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>E. Applied</td>
<td>Select one of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CLP 3302 Clinical Psychology</td>
<td>3 hrs</td>
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<td></td>
<td>EXP 3250 Principles of Human Factors Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>INP 3004 Industrial/Organizational Psychology</td>
<td>3 hrs</td>
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<tr>
<td>F. Psychology Electives</td>
<td>9 hrs</td>
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<tr>
<td></td>
<td>Select three additional courses taught by the Psychology department</td>
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<tr>
<td></td>
<td>NOTE: The following courses will NOT fulfill this requirement.</td>
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<tr>
<td></td>
<td>INP 3141C Advanced Applied Psychology</td>
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<tr>
<td></td>
<td>INP 3951 Industrial/Organizational Field Work</td>
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<td></td>
<td>PSY 3905 Directed Independent Study</td>
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<tr>
<td></td>
<td>PSY 3961 Undergraduate Field Work</td>
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<tr>
<td></td>
<td>PSY 4906 Directed Independent Study</td>
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</tr>
<tr>
<td></td>
<td>PSY 4912 Directed Independent Research</td>
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<td>¹ This course will not fulfill this requirement without prior approval.</td>
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<tr>
<td>G. Math/Science Electives</td>
<td>Select two of the following: 6 hrs</td>
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<tr>
<td></td>
<td>Students must meet the course prerequisites for any course they select. See course listings for prerequisites</td>
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<tr>
<td></td>
<td>ANT 2511 The Human Species</td>
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<tr>
<td></td>
<td>BSC 1050 Biology and Environment</td>
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<td>BSC 2011C Biology</td>
<td>4 hrs</td>
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<td></td>
<td>BSC 4312C Marine Biology</td>
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<tr>
<td></td>
<td>CHM 1020 Concepts in Chemistry</td>
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<td></td>
<td>COP 3223 Introduction to Programming with C</td>
<td>3 hrs</td>
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<td></td>
<td>COP 3502C Computer Science I</td>
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<td></td>
<td>COP 3503C Computer Science II</td>
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<tr>
<td></td>
<td>MAC 2233 Concepts of Calculus</td>
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<td></td>
<td>MAC 2253 Applied Calculus I</td>
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<tr>
<td></td>
<td>PCB 3063 Genetics</td>
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<tr>
<td></td>
<td>PCB 3703C Human Physiology</td>
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<td>PHY 2053C College Physics I</td>
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<td>PSC 1121 Physical Science</td>
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<td>STA 4102 Computer Processing of Statistical Data</td>
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<td>STA 4163 Statistical Methods I</td>
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<tr>
<td></td>
<td>STA 4164 Statistical Methods II</td>
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<tr>
<td>6. Capstone Requirements</td>
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7. Foreign Language Requirements

Admissions

Met by graduation requirement.

Graduation

Proficiency equivalent to one year of college instruction in either a foreign language, or two semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.

8. Electives

Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

- Earn a grade of "C" (2.0) or better in each course in the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - PSY 3213C Research Methods in Psychology 5 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

Additional Requirements: 6 hrs

- The Honors in Psychology is available to majors who show outstanding scholarship and promise in psychology.
- Apply and be accepted into the program through the department.
- Fulfill University requirements for Honors in the Major.
- Earn an overall UCF GPA above 3.2.
- All grades in Psychology courses must be a “B” (3.0) or higher.
- Have a Psychology GPA above 3.5, based on at least 11 credits, including the following course.
  - PSY 3213C Research Methods in Psychology 5 hrs
  - PSY 4903H Honors Directed Reading I 3 hrs
  - PSY 4970H Undergraduate Honors Thesis 3 hrs

Related Programs

- Anthropology
- Criminal Justice
- Sociology
- Statistics

Certificates

- Behavioral Forensics

Related Minors

- Anthropology
- Mathematics
- Psychology
- Sociology
- Statistics

Advising Notes

Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.

Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and must be taken. In addition, the advanced course is a prerequisite for some courses.
  - Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and must be taken. In addition, they are prerequisites for some courses.
  - DEP 2004: any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective 5C, students are advised to select it to satisfy their CPP.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 15 hrs
- GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs
- Math 3 hrs

Freshman Year - Spring 15 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- ENC 1102 Composition II 3 hrs
- Biology 3 hrs
- Statistics 3 hrs

Sophomore Year - Fall 16 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- Foreign Language 3 hrs
- DEP 2004 Developmental Psychology 3 hrs

Sophomore Year - Spring 14 hrs
- Restricted Elective 3 hrs
- Restricted Elective 4 hrs
- Foreign Language 3 hrs
- GEP 3 hrs

Junior Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- PSB 3002 Physiological Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 3 hrs

Junior Year - Spring 14 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- PSY 3213 Research Methods in Psychology 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- PSY 4604 History and Systems of Psychology 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $5.50 per term
- Full-Time Student: $11 per term

Public Administration (B.A. / B.S.)
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm/
Dr. Michael Abels, pa/ba/bs@mail.ucf.edu
Phone: 407-823-2604

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor on a regular basis
- The courses designated in sections 1 and 2 below may be taken at a Florida community college and should usually be completed in the first 60 hours
- Students must earn at least a "C" (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0)
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations
   Required SPC 1608 Fundamentals of Oral Communication 3 hrs
   Required SPC 2022 Intermediate Public Speaking 3 hrs

   B: Cultural & Historical Foundations (9 hrs)
   Required CGS 1060C Introduction to Computer Science 3 hrs

   C: Mathematical Foundations (6 hrs)
   Required MAC 1105 College Algebra or MAC 2231 Calculus 3 hrs
   Required MGF 1107 Explorations in Mathematics 3 hrs

   D: Social Foundations (6 hrs)
   Required POS 2041 American National Government 3 hrs

   2. Common Program Prerequisites (CPP) (3 hrs)
   See “Common Prerequisites” in the Transfer and Transition Services section

   3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (21 hrs)
   Required PAD 3303 Public Administration in American Society 3 hrs
   Required PAD 3373 Professional Administrative Writing in the Public Sector 3 hrs
   Required PAD 4034 The Administration of Public Policy 3 hrs
   Required PAD 4104 Administrative Theory 3 hrs
   Required PAD 4204 Fiscal Management 3 hrs
   Required PAD 4414 Public Personnel Administration 3 hrs
   Required PAD 4720 Survey Research in Public Administration 3 hrs
UCF Degree Programs

B.A./B.S. Option  
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)
Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements
None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Grading
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
- Accounting
- Computer Science

UCF Degree Programs

B.A./B.S. Option  6 hrs
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
- Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)
Public Administration electives are required as follows:
- PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
- Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
- Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
- Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Grading
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements
The students must attain a minimum grade of “C” (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
- An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
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- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
120

Honors In Major
None

Related Programs
- Accounting
- Computer Science

Certificates
- Nonprofit Management

Related Minors
- Business
- Criminal Justice
- Economics
- Emergency Management and Homeland Security
- Legal Studies
- Non-Profit Management/American Humanities National Certification Program
- Political Science
- Urban and Regional Planning

Advising Notes
None

Transfer Notes
- Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
- Economics I (ECO 2013) or any Macroeconomics course (3 credits)
- American National Government (POS 2041) or any course in American National Government (3 credits)

Acceptable Substitutes for Transfer Courses
None

Plan of Study
- This can be taken in any of the following combinations: 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall  3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- ENC 1101 Composition I 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- POS 2041 American National Government 3 hrs

Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II or 3 hrs
- MUL 2010 Enjoyment of Music or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- REL 2300 World Religions or 3 hrs
- THE 2000 Theatre Survey 3 hrs

Freshman Year - Spring  3 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Select 1: 3 hrs
- ANT 2000 General Anthropology or 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Select 1: 3 hrs
- Free Elective 3 hrs
- AST 2002 Astronomy or 3 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- PSC 1121 Physical Science 3 hrs

Sophomore Year - Fall  15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
### Admission Requirements

- Students should apply to become Radio-Television majors only after completing all requirements for admission.

---

**Radio - Television (B.A.)**

**College of Sciences**

Nicholson School of Communication, NSC, Room: 143  
http://communication.cos.ucf.edu/

**E-mail:** radiotv@ucf.edu  
Dr. W. Joseph Hall, Area Coordinator, whall@mail.ucf.edu  
Ms. Rebecca Morales, Academic Support, rmorales@mail.ucf.edu  
Phone: 407-823-2681

**Admission Requirements**

- Students should apply to become Radio-Television majors only after completing all requirements for admission.

---

### UCF Degree Programs

#### Degree Requirements

- **Students who change degree programs (other than from Radio/TV Pending) and select this major must adopt the most current catalog.**
- **Students may complete an internship off campus in a professional broadcast, production, or corporate operation with advisor's approval.**
- **Internship credit may be used in this major with prior departmental permission.**
- **Co-op credit may be used in this major with prior approval from an RTV advisor.**
- **Students should consult with a School advisor.**
- **School Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.**
- **Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.**
- **Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).**
- **To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.**
- **Radio TV majors must select their required minor from outside the School of Communication to remain below the 40 credit hour maximum.**
- **Students seeking to change tracks once accepted into the major must re-apply to the RTV major under the new, desired track.**
- **A maximum of three credit hours of internship may be earned in one semester. Internship credit, plus all other hours taken within the school, must not exceed 40 hours.**
- **A maximum of six credit hours of internship may be earned within the 120 credit hours required for graduation. Summer internship are available during "C" term only.**
- **Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Select 1:</strong></td>
<td><strong>3 hrs</strong></td>
</tr>
<tr>
<td>Suggested SPC 1603 Fundamentals of Technical Presentations or Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select a third course from GEP B2</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Program Academic Learning Compacts

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

#### Equipment Fees

- **Part-Time Student:**
- **Full-Time Student:**

---

### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMH 2010</td>
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</tr>
<tr>
<td>EUH 2000</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>3 hrs</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| Free Elective | 3 hrs |
| Free Elective | 3 hrs |
| PAD 3003 Public Administration in American Society | 3 hrs |
| PAD 3733 Professional Administrative Writing in the Public Sector | 3 hrs |

**15 hrs**

### Junior Year - Fall

| Restricted Elective | 3 hrs |
| Restricted Elective | 3 hrs |
| PAD 4014 Administrative Theory | 3 hrs |
| PAD 4414 Public Personnel Administration | 3 hrs |
| Foreign Language I or BS option | 3 hrs |

**15 hrs**

### Junior Year - Spring

| Restricted Elective | 3 hrs |
| PAD 4043 The Administration of Public Policy | 3 hrs |
| PAD 4204 Fiscal Management | 3 hrs |
| PAD 4720 Survey Research in Public Administration | 3 hrs |
| Foreign Language II or BS option | 3 hrs |

**15 hrs**

### Senior Year - Fall

| Restricted Elective | 3 hrs |
| Upper Division Elective | 3 hrs |
| Upper Division Elective | 3 hrs |
| Upper Division Elective | 3 hrs |

**15 hrs**

### Senior Year - Spring

| Restricted Elective | 3 hrs |
| Upper Division Elective | 3 hrs |
| Upper Division Elective | 3 hrs |
| Restricted elective or PAD Internship | 3 hrs |

**15 hrs**

**Application Deadlines:**

- October 1 to be admitted the next Spring term.
- January 15 to be admitted the next Fall term.

**Equipment Fees**

- **Part-Time Student:**
- **Full-Time Student:**

---

**Nicholson School of Communication, NSC, Room: 143**

http://communication.cos.ucf.edu/
**UCF Degree Programs**

**C: Mathematical Foundations**  
(6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMC 3200</td>
<td>Mass Communication Law</td>
</tr>
<tr>
<td>RTV 3007</td>
<td>Development and Structure of Electronic Media and New Technology</td>
</tr>
<tr>
<td>RTV 3200</td>
<td>Production Fundamentals and Aesthetics of Electronic Media</td>
</tr>
<tr>
<td>RTV 4403</td>
<td>Electronic Media, Technology, and Society</td>
</tr>
</tbody>
</table>

Select 1:  
- SPC 1603 | Fundamentals of Technical Presentations | GEP | 0 hr |
- SPC 1606 | Fundamentals of Oral Communication | GEP | 0 hr |

Select 1:  
- CGS 2100C | Computer Fundamentals for Business | GEP | 0 hr |
- CGS 2585C | Desktop/Internet Publishing | 3 hrs |
- CGS 3175 | Internet Applications | 3 hrs |

**4. Core Requirements: Advanced Level**  
(6 hrs)

These courses are only available to students who have been accepted into the major.

| MMC 3420 | Mass Media Research Methods | 3 hrs |
| RTV 2102 | Writing for the Electronic Media | 3 hrs |

**5. Restricted Electives**  
(0 hrs)

Specialization: Select one area and complete the credit hours required by that specialization.

**A. Production**  
18 hrs

Select from the following:  
- RTV 3210C | Audio Production I or | 3 hrs |
- RTV 3223C | Lighting for Video or | 3 hrs |
- RTV 3228C | Studio Television Production or | 4 hrs |
- RTV 3260C | Single Camera Video Production and Editing or | 4 hrs |
- RTV 3263C | Advanced Video Post-Production or | 3 hrs |
- RTV 3283C | Production of Interactive Multimedia or | 3 hrs |
- RTV 3904L | Practicum or | 3 hrs |
- RTV 4205C | Television Directing or | 3 hrs |
- RTV 4211C | Audio Production II or | 3 hrs |
- RTV 4271C | Radio Production and Programming or | 3 hrs |
- RTV 4280C | Webcasting I or | 3 hrs |
- RTV 4281C | Webcasting II or | 3 hrs |
- RTV 4941 | Internship | 1 hr |

May only apply a maximum of 3 hours to the requirement.

**B. Broadcast Journalism**  
22 hrs

Complete all of the following:  
- MMC 4602 | Contemporary Media Issues and | 3 hrs |
- RTV 3260C | Single Camera Video Production and Editing and | 4 hrs |
- RTV 3301 | Electronic Journalism I and | 3 hrs |
- RTV 3304 | Electronic Journalism II and | 3 hrs |
- RTV 4320C | Television News | 4 hrs |

Select from the following:  
- JOU 3004 | History of American Journalism or | 3 hrs |
- RTV 3234C | Broadcast Announcing and Performance or | 3 hrs |
- RTV 4322C | Advanced TV News or | 3 hrs |
- RTV 4700 | Regulation of Broadcasting or | 3 hrs |
- RTV 4906 | Directed Independent Study or | 1 hr |
- RTV 4941 | Internship | 1 hr |

May only apply a maximum of 3 hours to the requirement.

**C. Broadcast Generalist**  
18 hrs

Select from the following:  
- ADV 4103 | Radio-Television Advertising or | 3 hrs |
- CMC 4240 | Corporate/Institutional Video or | 3 hrs |
- COM 3330 | Computer Mediated Communication or | 3 hrs |
- MMC 4263 | New Media Technologies or | 3 hrs |
- RTV 3234C | Broadcast Announcing and Performance or | 3 hrs |
- RTV 4271C | Radio Production and Programming or | 3 hrs |
- RTV 4700 | Regulation of Broadcasting or | 3 hrs |
- RTV 4800 | Broadcast Management or | 1 hr |
- RTV 4941 | Internship | 1 hr |

May only apply a maximum of 3 hours to the requirement.

**6. Capstone Requirements**  
- None

**7. Foreign Language Requirements**

Admissions  
- Met by graduation requirement

Graduation  
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

**8. Electives**  
- Select primarily from upper level courses, with school advisor's approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

**9. Additional Requirements**  
- None

**10. Required Minors**  
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.

- The following minors are suggested to compliment the R/TV major, but any minor except those in the School of Communication, may be taken:
  - Digital Media
  - English - Writing
  - Film - Cinema Studies
  - Political Science
  - Sociology
  - Theatre
11. Departmental Exit Requirements

- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve an overall “C” GPA (2.0) in UCF Radio/TV courses used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer competency met by the following course or departmental assessment.
- GEP
- Computer Fundamentals for Business

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Advertising/Public Relations
- Digital Media
- Digital Media - Visual Language Track
- Digital Media - Web Design Track
- Film
- Journalism
- Theatre

Certificates

- None

Related Minors

- NOTE: Minors taught within the School of Communication are not open to R/TV majors.
- Digital Media
- Film - Cinema Studies
- Marketing
- Mass Communication
- Theatre

Advising Notes

- None

Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements.
- Consult a departmental advisor for alternate, new, or more appropriate selections.
- Consult the department for detailed plans of study for each specialization.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>GEP</td>
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<tr>
<td>ENC 1101</td>
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</tr>
<tr>
<td>MGF 1107</td>
<td>3 hrs</td>
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<tr>
<td>SPC 1608</td>
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### Freshman Year - Spring

<table>
<thead>
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<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GES 2100C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RTV 3007</td>
<td>3 hrs</td>
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</table>

### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Foreign Language</td>
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</tr>
<tr>
<td>Elective / Minor</td>
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<tr>
<td>MMC 3200</td>
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<td>RTV 4403</td>
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### Sophomore Year - Spring

<table>
<thead>
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<th>Course</th>
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<tbody>
<tr>
<td>Foreign Language</td>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>MMC 3420</td>
<td>3 hrs</td>
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<tr>
<td>RTV 3200</td>
<td>3 hrs</td>
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### Junior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Restricted Elective</td>
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</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>RTV 2102</td>
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### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
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### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>Elective / Minor</td>
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### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Real Estate (B.S.B.A.)

College of Business Administration

Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427

Students seeking advising will need to go to BA 2 room 101.

http://web.bus.ucf.edu/realestate/
Phone: 407-823-3575

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements

- Completion of the UCF General Education Program, Gordon Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites
UCF Degree Programs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A maximum of 6 hours of required or elective coursework can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   Select 1:
   Suggested ECO 2013 Principles of Macroeconomics or 3 hrs
   Suggested ECO 2023 Principles of Microeconomics 3 hrs
   Select 1:
   Suggested ANT 2000 General Anthropology or 3 hrs
   Suggested PSY 2012 General Psychology or 3 hrs
   Suggested SYG 2000 Introduction to Sociology 3 hrs
   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a “C” (2.0) or better.
   - See Common Prerequisites in the Transfer and Transition Services section for more information.
   ACG 2021 Principles of Financial Accounting 3 hrs
   ACG 2071 Principles of Managerial Accounting 3 hrs
   CGS 2100C Computer Fundamentals for Business 3 hrs
   ECO 2013 Principles of Macroeconomics 3 hrs
   ECO 2023 Principles of Microeconomics 3 hrs
   Select one of the following sequences of courses:
   - Students who have not completed MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401
   ECO 3401 Quantitative Business Tools I 3 hrs
   or MAC 2233 Concepts of Calculus and 3 hrs
   STA 2023 Statistical Methods I 3 hrs
   3. Core Requirements: Basic Level (32 hrs)
   First or subsequent semester in the College of Business Administration:
   BUL 2130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II 4 hrs
   FIN 3403C Business Finance 4 hrs
   1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
   GEB 3375 Introduction to International Business 4 hrs
   ISM 3011C Essentials of Management Information Systems 4 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   1 Required in 1st or 2nd semester
   4. Core Requirements: Advanced Level (9 hrs)
   Select 5:
   FIN 3414 Intermediate Corporate Finance 3 hrs
   FIN 3504 Investment Analysis 3 hrs
   MAR 3391 Professional Selling 3 hrs
   REE 3614 Environmental Issues for Real Estate 3 hrs
   REE 4103 Real Estate Appraisal and Valuation 3 hrs
   REE 4203 Commercial Real Estate Finance 3 hrs
   REE 4204 Residential Real Estate Finance 3 hrs
   REE 4303 Real Estate Investment Analysis 3 hrs
   REE 4732 Real Estate Development 3 hrs
   1 REE 4903H Honors Directed Readings I 1 hr
   REE 4933 Advanced Topics in Real Estate 3 hrs
   REE 4941 Internship 1 hr
   1 REE 4970H Undergraduate Honors Thesis 1 hr
   1 Must be accepted into the UCF Honors in the Major program. See http://www.honors.ucf.edu/ for details.
   5. Restricted Electives (15 hrs)
   6. Capstone Requirements (4 hrs)
   MAN 4720 Strategic Management 4 hrs
   - This course should be taken in the graduating term and requires the following prerequisites:
   FIN 3403C Business Finance 4 hrs
   GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
   MAN 3025 Management of Organizations 4 hrs
   MAR 3023 Marketing 4 hrs
   7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   - None
   8. Electives
   - variable
   9. Additional Requirements
   - None
   10. Required Minors
   - None
   11. Departmental Exit Requirements
   - None
   12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
   Total Semester Hours Required
   - 120
   Honors In Major
   - None
   Related Programs
   - None
Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors. Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take ECO 3401.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Must complete nine hours in a summer semester

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1105 College Algebra 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Cult-Hist I Elective 3 hrs

Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- Cult-Hist II Elective 3 hrs
- Art/Music/Lit Elective 3 hrs

Sophomore Year - Fall
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- Science 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2023 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- FIN 2100 Personal Finance and Investments 3 hrs
- Science 3 hrs

Junior Year - Fall
- FIN 3403C Business Finance 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

Junior Year - Spring
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs
- REE Elective 3 hrs

Senior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- REE Elective 3 hrs

Senior Year - Spring
- MAN 4720 Strategic Management 4 hrs
- REE Elective 3 hrs
- REE Elective 3 hrs
- REE Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/acl/academic_learning_compacts.htm

Religious Studies (B.A.)

Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: religion@mail.ucf.edu
Dr. Claudia Schippert
Phone: 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Required HUM 2210 Humanistic Tradition I 3 hrs
Required HUM 2230 Humanistic Tradition II 3 hrs
Required REL 2300 World Religions 3 hrs
## UCF Degree Programs

### C: Mathematical Foundations
- MGF 1106  Finite Mathematics  
  3 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel  
  3 hrs

1. May substitute a higher level math course

### D: Social Foundations

#### (6 hrs)

### E: Science Foundations

#### (6 hrs)

### 2. Common Program Prerequisites (CPP)
- None

### 3. Core Requirements: Basic Level

#### (0 hrs)

- HUM 2210  Humanistic Tradition I  
  GEP
- HUM 2230  Humanistic Tradition II  
  GEP
- REL 2300  World Religions  
  GEP

### 4. Core Requirements: Advanced Level

#### (24 hrs)

**Foundations in the Study of Religion and Humanities**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 3410</td>
<td>Magic, Ritual, and Belief</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4632</td>
<td>Religion and Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3131</td>
<td>Religion in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 4110</td>
<td>Religion and the Arts</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4200</td>
<td>Religion in Society</td>
<td>3 hrs</td>
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**Humanities and Classics**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
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<tbody>
<tr>
<td>CLT 3370</td>
<td>Classical Mythology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CLT 3378</td>
<td>Comparative Mythology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3252</td>
<td>Contemporary Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3255</td>
<td>Modern Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3431</td>
<td>Ancient Humanities</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3435</td>
<td>Medieval Humanities</td>
<td>3 hrs</td>
</tr>
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</table>

**Traditions: Religion in a Global World**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>JST 3401</td>
<td>The Jewish People I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3402</td>
<td>The Jewish People II</td>
<td>3 hrs</td>
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**Select 1:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3450</td>
<td>Modern Jewish Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3550</td>
<td>Introduction to Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3810</td>
<td>The Jewish National Movement and Roots of Zionism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 2:**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>JST 3144</td>
<td>Dead Sea Scrolls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3450</td>
<td>Modern Jewish Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
<td>3 hrs</td>
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**Select 3:**

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>JST 3100</td>
<td>The Hebrew Creative Mind</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3125</td>
<td>The Book of Job</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3144</td>
<td>Dead Sea Scrolls</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3450</td>
<td>Modern Jewish Experience</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3550</td>
<td>Introduction to Judaism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3810</td>
<td>The Jewish National Movement and Roots of Zionism</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

- Select three courses from the following list and/or the Core list above (if not being used to fulfill Core Requirements):

**Select 3:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 3615</td>
<td>Harlan, Haiti, and Havana</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 3222</td>
<td>Islam and Its Empires</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ASH 3223</td>
<td>The Modern Middle East</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4301</td>
<td>The Classical Ideal</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4330</td>
<td>Performance Theory</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Met by graduation requirement

#### Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements

- Earn a “C” (2.0) or better in each required course.
- To avoid delaying graduation, you must request a review of requirements prior to registering for your last term.
- Computer Competency met by one of the following:
  - REL 4910  Senior Research Seminar  
    3 hrs
  - REL 4970H  Undergraduate Honors Thesis  
    1 hr
  - STA 1060C  Basic Statistics Using Microsoft Excel  
    3 hrs
  - Must Take:  
    - REL 4910  Senior Research Seminar  
      3 hrs

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

| Total Semester Hours Required | 120

UNIVERSITY OF CENTRAL FLORIDA
Honors In Major

- Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major.
- Requirements are as follows:

Core, Elective Requirements, and Senior Seminar

- Same requirement as for regular majors

Honors Thesis

- 36 hrs
  - REL 4903H Honors Directed Readings I 1 hr
  - REL 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements

- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5.
- Successful completion and oral defense of Honors Thesis.
- Earn a “B” (3.0) or better in both of the following:
  - REL 4903H Honors Directed Readings I 1 hr
  - REL 4970H Undergraduate Honors Thesis 1 hr

Related Programs

- Humanities
- Interdisciplinary Studies
- Philosophy

Certificates

- None

Related Minors

- Humanities
- Judaic Studies
- Philosophy
- Religious Studies

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall 16 hrs

- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- REL 2300 World Religions 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring 16 hrs

- Restricted Elective 3 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall 15 hrs

- GEP 3 hrs
- GE 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Spring 15 hrs

- GEP 3 hrs
- GE 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- REL 3340 Buddhist Thought 3 hrs

Senior Year - Spring 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- REL 4910 Senior Research Seminar 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Restaurant and Foodservice Management (B.S.)
Rosen College of Hospitality Management
Department of Food-services and Lodging, 9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Joe Hutchinson, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements

- None

Degree Requirements

- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations

   Required MAC 1105 College Algebra 3 hrs

   Select 1: 3 hrs
   - Required CGS 2100C Computer Fundamentals for Business or STA 2323
   - Required STA 2323 Statistical Methods I 3 hrs

   D: Social Foundations

   Select 1: 3 hrs
   - Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
   - Required ANT 2000 General Anthropology or PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

   E: Science Foundations (6 hrs)
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP)
- **HFT 1000** Introduction to the Hospitality and Tourism Industry 3 hrs

1 See “Common Prerequisites” in the Transfer and Transitions section (pg. 46) for more information.

### 3. Core Requirements: Basic Level
- **MAC 1105** College Algebra 3 hrs

**Select 1:**
- **CGS 2100C** Computer Fundamentals for Business or 3 hrs
- **STA 2023** Statistical Methods I 3 hrs

**Select 1:**
- **ECO 2013** Principles of Macroeconomics or 3 hrs
- **ECO 2023** Principles of Microeconomics GEP

### 4. Core Requirements: Advanced Level
- **HFT 2220** Hospitality Human Resources Management 3 hrs
- **HFT 2401** Hospitality Industry Financial Accounting 3 hrs
- **HFT 2500** Hospitality and Tourism Marketing 3 hrs
- **HFT 3431** Hospitality Industry Managerial Accounting 3 hrs
- **HFT 3444** Hospitality Information Systems 3 hrs
- **HFT 3540** Guest Services Management I 3 hrs
- **HFT 3603** Legal Environment in the Hospitality and Tourism Industry 3 hrs
- **HFT 4286** Hospitality Communications 3 hrs
- **HFT 4464** Hospitality Industry Finance 3 hrs

**Internships**
- **HFT 3940** Internship 1 hr
- **HFT 4941** Internship 1 hr
- **HFT 4944** Practicum 1 hr

**Restaurant Management Core**
- **FSS 2221C** Techniques of Food Preparation 4 hrs
- **FSS 3124** Supply and Procurement Management 3 hrs
- **HFT 3263** Restaurant Management 3 hrs
- **HFT 4266** Restaurant Brand Management 3 hrs
- **HFT 4268** Case Studies in Restaurant Management 3 hrs
- **HFT 4281** Restaurant Leadership Strategies and Tactics 3 hrs
- **HFT 4844** Sanitation in the Food Service Industry 3 hrs
- **HFT 4861C** Beverage Management 3 hrs

**5. Restricted Electives**
- **Select 5:**
  - **FSS 3008** Culture and Cuisine or 3 hrs
  - **FSS 322C** Intermediate Techniques of Food Production or 3 hrs
  - **FSS 4135** Corporate Contract and Managed Services Organizations or 3 hrs
  - **FSS 4286C** Catering and Banquet Organization or 3 hrs
  - **HFT 3574** Food Service Marketing Advertising and Promotion Management or 3 hrs
  - **HFT 3654** Franchising in the Restaurant Industry or 3 hrs
  - **HFT 3888** History and Culture of Wine or 3 hrs
  - **HFT 4281** Restaurant Leadership Strategies and Tactics or 3 hrs
  - **HFT 4343** Hospitality Facilities Planning and Design or 3 hrs
  - **HFT 4457** Food, Beverage, and Labor Cost Controls or 3 hrs
  - **HFT 4864** Seminar in Quality Brewing and Fine Beer or 3 hrs
  - **HFT 4865** Advanced Wine Management or 3 hrs
  - **HFT 4866C** Exploring Wines of the World or 3 hrs
  - **HFT 4894** International Gastronomy or 3 hrs
  - **HUN 3013** Nutrition Concepts and Issues in the Food Service Industry 3 hrs

### 6. Capstone Requirements
- **None**

### 7. Foreign Language Requirements
- **Admissions**
  - State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

---

### Graduation
- **None**

### 8. Electives
- 3-11 hours as necessary to result in 120 total credit hours.

### 9. Additional Requirements
- Final exams will be given during Exam Week only.
- Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management classes at UCF.

### 10. Required Minors
- **None**

### 11. Departmental Exit Requirements
- **None**

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- **None**

### Related Programs
- **None**

### Certificates
- **None**

### Related Minors
- **None**

### Advising Notes
- **None**

### Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Rosen College of Hospitality Management.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

### Acceptable Substitutes for Transfer Courses
- **None**

### Plan of Study
- Plan your required nine summer credit hours into your course of study.

### Freshman Year - Fall
- **CGS 2100C** Computer Fundamentals for Business 3 hrs
- **ENC 1101** Composition I 3 hrs
- **HFT 1000** Introduction to the Hospitality and Tourism Industry 3 hrs

**Select 1:**
- **ANT 2000** General Anthropology or 3 hrs
- **PSY 2012** General Psychology or 3 hrs
- **SYG 2000** Introduction to Sociology 3 hrs
### UCF Degree Programs

**Science Education - Biology (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles, Education Building, Room: 209**

http://education.ucf.edu/science/

- Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
- Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
- Phone: 407-823-2561

**Admission Requirements**

- Complete the University General Education requirements or an equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement.

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP) (36 hrs)**

   - Note: Students are advised to take the preferred courses.

   **A: Communication Foundations (9 hrs)**
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations (9 hrs)**
   - Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
   - Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
   - Prefer PHI 2010 Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations (6 hrs)**
   - Select 1: 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel or
     - Prefer STA 2014C Principles of Statistics 3 hrs

   **D: Social Foundations (6 hrs)**
   - Suggested MGF 1106 Finite Mathematics or
   - Suggested MGF 1107 Explorations in Mathematics 3 hrs

   **E: Science Foundations (7 hrs)**
   - Required ENC 1102 Composition II 3 hrs
   - Required ENC 1101 Composition I 3 hrs
   - Select 1: 3 hrs
     - Prefer PSC 1121L Physical Science 3 hrs
     - Prefer PSC 1121 Physical Science 3 hrs

   1. A grade of “C-”(1.75) is required.

2. **Common Program Prerequisites (CPP) (9 hrs)**

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2005 Introduction to the Teaching Profession 3 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - EME 2040 Introduction to Technology for Educators 3 hrs

   1. In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. **Core Requirements: Basic Level (12 hrs)**

   - Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
   - Required BSC 2010C Biology I 4 hrs
   - Required BSC 2011C Biology II 4 hrs
   - Required CHM 2045C Chemistry Fundamentals I 4 hrs
   - Required CHM 2045 Chemistry Fundamentals I 4 hrs
   - Required EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - Required PSC 1121 Physical Science 1 hr

4. **Core Requirements: Advanced Level (62 hrs)**

   **Education Core Requirements**
   - Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-.“ (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

---

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

### Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

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<td>HFT 2220 Hospitality Human Resources Management</td>
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<td>HFT 2401 Hospitality Industry Financial Accounting</td>
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<td>HFT 2500 Hospitality and Tourism Marketing</td>
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<td>HFT 3444 Hospitality Information Systems</td>
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<td>HFT 3540 Guest Services Management I</td>
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<td>HFT 3663 Legal Environment in the Hospitality and Tourism Industry</td>
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<td>HFT 4266 Restaurant Brand Management</td>
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<td>HFT 4861C Beverage Management</td>
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<td>HFT 4464 Hospitality Industry Finance</td>
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UCF Degree Programs

- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- Recommended Four Year Sequence of Courses

Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- EDF 2065 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr
- SPC 1608 Fundamentals of Oral Communication 3 hrs
Science Education - Chemistry (B.S.)

College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu
Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
Phone: 407-823-2581

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C” (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
   - Note: Students are advised to take the preferred courses.
   - A: Communication Foundations (9 hrs)
     Required ENC 1101 Composition I 3 hrs
     Required ENC 1102 Composition II 3 hrs
     Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
     Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
     Prefer PHI 2010 Introduction to Philosophy 3 hrs
   - C: Mathematical Foundations (6 hrs)
     Required MAC 1114 College Trigonometry 3 hrs
     Select 1: 3 hrs
     Prefer STA 1060C Basic Statistics Using Microsoft Excel or
     Prefer STA 2014C Principles of Statistics 3 hrs
   - D: Social Foundations (6 hrs)
     Prefer POS 2041 American National Government 3 hrs
     Prefer PSY 2012 General Psychology 3 hrs
   - E: Science Foundations (7 hrs)
     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) (9 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
     EDF 2005 Introduction to the Teaching Profession 3 hrs
     EDF 2085 Introduction to Diversity for Educators 3 hrs
     EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.
UCF Degree Programs

3. Core Requirements: Basic Level (8 hrs)
   - Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
   - BSC 2010C Biology I  GEP
   - CHM 2045C Chemistry Fundamentals I  4 hrs
   - EDF 2130 Child and Adolescent Development for Educators  3 hrs
   - MAC 1114 College Trigonometry  GEP
   - PSC 1121 Physical Science  GEP
   - PSC 1121L Physical Science Lab  1 hr

4. Core Requirements: Advanced Level (66 hrs)
   - Education Core Requirements 18 hrs
     - Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required chemistry courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
     - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL. Students must apply and be approved for Internship I.
     - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexper/
   - SCE 3940 Internship  3 hrs
   - SCE 4360 Science Instructional Analysis  4 hrs
   - Internship I Block 7 hrs
     - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
     - Students must apply and be approved for Internship I.
     - Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexper/
   - SCE 3940 Internship  3 hrs
   - SCE 4360 Science Instructional Analysis  4 hrs
   - Specialization Requirements 29 hrs
     - BCH 4053 Biochemistry I  3 hrs
     - CHM 2046 Chemistry Fundamentals II  3 hrs
     - CHM 2046L Chemistry Fundamentals Laboratory  1 hr
     - CHM 2211 Organic Chemistry I  3 hrs
     - CHM 2211L Organic Chemistry Laboratory  3 hrs
     - CHM 3120 Analytical Chemistry  3 hrs
     - CHM 3120L Analytical Chemistry Laboratory  1 hr
     - CHS 3501 Introduction to Forensic Science  3 hrs
     - PHY 2053C College Physics I  4 hrs
     - SCE 4361 Programs in Teaching Science  3 hrs
   - Internship II 12 hrs
     - At least 80% of all required chemistry courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
     - Passing score on the Subject Area Examination (Chemistry 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
     - Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexper/
     - SCE 4941 Internship  12 hrs

5. Restricted Electives (0 hrs)
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
   - Graduation
     - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
    - Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
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    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- 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
### UCF Degree Programs

**Science Education - Physics (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles**

**Education Building, Room: 209**


Dr. Aldrin Sweeney, ED 123L, asweeney@pegasus.cc.ucf.edu

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

Phone: 407-823-2561

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted.)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

**Degree Requirements**

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirement are subject to change based on state mandates.

1. **UCF General Education Program (GEP) (36 hrs)**

- Students are advised to take the preferred courses.

**A: Communication Foundations (9 hrs)**

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Select 1: STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- STA 2014C Principles of Statistics 3 hrs

**B: Cultural & Historical Foundations (9 hrs)**

- Select 1: Required ENC 1101 Composition I 3 hrs
- Select 2: STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

**C: Mathematical Foundations (4 hrs)**

- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Select 1: STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

**D: Social Foundations (6 hrs)**

- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

**E: Science Foundations (6 hrs)**

- Select 1: BCH 4053 Biochemistry I 3 hrs
- Select 2: BCH 4053 Biochemistry I 3 hrs
- Select 3: BCH 4053 Biochemistry I 3 hrs
- Select 4: BCH 4053 Biochemistry I 3 hrs

**1** A grade of “C-” (1.75) or better is required.

2. **Common Program Prerequisites (CPP) (9 hrs)**

- See “Common Prerequisites” in the Transfer and Transition 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/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)
### UCF Degree Programs

#### 3. Core Requirements: Basic Level

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<td>MAC 2311 Calculus with Analytic Geometry I</td>
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<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
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<td>PSC 1121 Physical Science</td>
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#### 4. Core Requirements: Advanced Level

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<tr>
<td>EDF 4410 Teaching Strategies and Classroom Management</td>
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<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
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<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
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<td>TSL 4080 Theory and Practice of Teaching ESOL</td>
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#### Internship I Block

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<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
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<td>EDF 4410 Teaching Strategies and Classroom Management</td>
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<tr>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
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<tr>
<td>RED 4043 Content Reading in Kindergarten through Grade 12</td>
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#### Specialization Requirements

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<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2045C Chemistry Fundamentals I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHM 2046 Chemistry Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHM 2046L Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361 Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 1:

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 3722C Physics Laboratory-Electronics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3752C Physics of Scientific Instruments</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Internship II

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>12 hrs</td>
</tr>
<tr>
<td>Passing score on the Subject Area Examination (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.</td>
<td>12 hrs</td>
</tr>
<tr>
<td>Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.006.</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

#### 5. Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
</table>

#### 6. Capstone Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
</table>

#### 7. Foreign Language Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.)</td>
<td>Graduation</td>
</tr>
<tr>
<td>Achieve a minimum 2.5 GPA in all courses within the major.</td>
<td>8. Electives</td>
</tr>
<tr>
<td>Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.</td>
<td>9. Additional Requirements</td>
</tr>
<tr>
<td>Pass all applicable sections of the Florida Teacher Certification Examination.</td>
<td>10. Required Minors</td>
</tr>
</tbody>
</table>

#### 12. University Minimum Exit Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 2.0 UCF GPA</td>
<td>None</td>
</tr>
<tr>
<td>60 semester hours earned after CLEP awarded</td>
<td>Related Programs</td>
</tr>
<tr>
<td>48 semester hours of upper division credit completed</td>
<td>Certificates</td>
</tr>
<tr>
<td>30 of the last 39 hours of course work must be completed in residency at UCF</td>
<td>Related Minors</td>
</tr>
<tr>
<td>A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.</td>
<td>Advising Notes</td>
</tr>
<tr>
<td>Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)</td>
<td>Transfer Notes</td>
</tr>
</tbody>
</table>

#### Total Semester Hours Required

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td>Acceptable Substitutes for Transfer Courses</td>
</tr>
</tbody>
</table>

### Related Programs

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
</table>

### Certificates

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
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</table>

### Related Minors

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
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</thead>
</table>

### Advising Notes

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
</tr>
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</table>

### Transfer Notes

<table>
<thead>
<tr>
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<th>Notes</th>
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</thead>
</table>

### Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
</tr>
</thead>
</table>
Plan of Study (120 hrs)

**Freshman Year - Fall**  
12 hrs  
- EDP 2005  Introduction to the Teaching Profession 3 hrs  
- ENC 1101  Composition I 3 hrs  
- PSY 2012  General Psychology 3 hrs  
- Select 1: STA 1080C  Basic Statistics Using Microsoft Excel or STA 2014C  Principles of Statistics 3 hrs

**Freshman Year - Spring**  
16 hrs  
- EDF 2085  Introduction to Diversity for Educators 3 hrs  
- ENC 1102  Composition II 3 hrs  
- MAC 2311  Calculus with Analytic Geometry I 4 hrs  
- PHI 2010  Introduction to Philosophy 3 hrs  
- SPC 1608  Fundamentals of Oral Communication 3 hrs

**Freshman Year - Summer**  
6 hrs  
- EME 2040  Introduction to Technology for Educators 3 hrs  
- POS 2041  American National Government 3 hrs

**Sophomore Year - Fall**  
14 hrs  
- AMH 2010  U.S. History: 1492-1877 3 hrs  
- MAC 2312  Calculus with Analytic Geometry II 4 hrs  
- PSC 1121  Physical Science 3 hrs  
- SCE 1221  Physical Science Lab 1 hr  
- Select 1: ANT 2511  The Human Species or 3 hrs  
- BSC 1005  Biological Principles 3 hrs

**Sophomore Year - Spring**  
14 hrs  
- AMH 2020  U.S. History: 1877-Present 3 hrs  
- CHM 2046C  Chemistry Fundamentals I 3 hrs  
- EDF 2130  Child and Adolescent Development for Educators 3 hrs  
- MAC 2313  Calculus with Analytic Geometry III 4 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Sophomore Year - Summer**  
4 hrs  
- EDF 2130  Child and Adolescent Development for Educators 3 hrs  
- EEM 2040  Introduction to Technology for Educators 3 hrs

**Junior Year - Fall**  
13 hrs  
- CHM 2046L  Chemistry Fundamentals Laboratory 3 hrs  
- EDG 4410  Teaching Strategies and Classroom Management 1 hr  
- EEX 4242  Teaching Exceptional Students in Secondary Settings 3 hrs  
- SCE 4361  Programs in Teaching Science 3 hrs

**Junior Year - Spring**  
13 hrs  
- EDF 4467  Learning Theory and Assessment 3 hrs  
- PHY 2049C  Physics for Engineers and Scientists II 4 hrs  
- RED 4043  Content Reading in Kindergarten through Grade 12 3 hrs  
- SCE 4361  Programs in Teaching Science 3 hrs

**Junior Year - Summer**  
3 hrs  
- PHY 3101  Physics for Engineers and Scientists III 3 hrs

**Senior Year - Fall**  
13 hrs  
- EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs  
- SCE 3940  Internship 3 hrs  
- SCE 4360  Science Instructional Analysis 4 hrs

**Senior Year - Spring**  
12 hrs  
- PHY 3722C  Physics Laboratory-Electronics 3 hrs  
- PHY 3752C  Physics of Scientific Instruments 3 hrs

**Senior Year - Summer**  
12 hrs  
- SCE 4941  Internship 12 hrs

**Program Academic Learning Compacts**  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm

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**Social Science Education (B.S.)**

**College of Education**

**Department of Teaching and Learning Principles, Education Building, Room: 209**

[http://education.ucf.edu/ssed/](http://education.ucf.edu/ssed/)

**Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766**

**Dr. Janet Andreassen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430**

**Admission Requirements**

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.5 overall GPA.
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisites and Other Program Prerequisites courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement.

**Degree Requirements**

- Students should see an advisor prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. **UCF General Education Program (GEP)** (36 hrs)

   - Students are advised to take preferred courses.

   **A: Communication Foundations** (9 hrs)
   - Preferred ENC 1101  Composition I 3 hrs
   - Preferred ENC 1102  Composition II 3 hrs
   - Prefer SPC 1608  Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required AMH 2010  U.S. History: 1492-1877 3 hrs
   - Required AMH 2020  U.S. History: 1877-Present 3 hrs
   - Preferred PHI 2010  Introduction to Philosophy 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Select 1: STA 1060C  Basic Statistics Using Microsoft Excel or 3 hrs
   - Prefer STA 2014C  Principles of Statistics 3 hrs

   **Select 1:**
   - Preferred MGF 1106  Finite Mathematics or 3 hrs
   - Preferred MGF 1107  Explorations in Mathematics 3 hrs

   **D: Social Foundations** (6 hrs)
   - Prefer POS 2041  American National Government 3 hrs
   - Prefer PSY 2012  General Psychology 3 hrs

   **E: Science Foundations** (6 hrs)
   - Prefer PSC 1121  Physical Science 3 hrs

   **Select 1:**
   - Prefer ANT 2511  The Human Species or 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
   - Select 1: EDF 2085  Introduction to Diversity for Educators 3 hrs
   - EME 2040  Introduction to Technology for Educators 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

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UCF Degree Programs

3. Core Requirements: Basic Level (9 hrs)
   - Student should consult advisor regarding course options.
     ECO 2013 Principles of Macroeconomics 3 hrs
     1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
     SYG 2000 Introduction to Sociology 3 hrs
   1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (66 hrs)

   Education Core Requirements 18 hrs
   - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EGD 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
   - Prior to Internship I, the student must have completed EGD 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
     EDF 4467 Learning Theory and Assessment 3 hrs
     EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
     EGD 4410 Teaching Strategies and Classroom Management 3 hrs
     EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
     RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
     TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

   Internship I Block 6 hrs
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexpp/.

   5. Restricted Electives (0 hrs)
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements

   Admissions
   - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Achieve a minimum 2.5 GPA in all courses within the major.
    - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
    - Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

   Total Semester Hours Required
   - 120

   Honors In Major
   - None

   Related Programs
   - None

   Certificates
   - None

   Related Minors
   - None

   Advising Notes
   - None

   Transfer Notes
   - None

   Acceptable Substitutes for Transfer Courses
   - None
### Plan of Study (120 hrs)

#### Freshman Year - Fall
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

#### Freshman Year - Spring
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs

#### Select 1:
- ANT 2511 The Human Species or 3 hrs
- BIO 1005 Biological Principles 3 hrs

#### Freshman Year - Summer
- EME 2040 Introduction to Technology for Educators 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Sophomore Year - Fall
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ECO 2023 Principles of Macroeconomics 3 hrs
- PSC 1121 Physical Science 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

#### Select 1:
- STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- STA 2014C Principles of Statistics 3 hrs

#### Sophomore Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

#### Junior Year - Fall
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EUH 2000 Western Civilization I 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs
- Upper Division Non-Western History Elective (AFH, ASH, LAH 3/4XXX) 3 hrs

#### Junior Year - Spring
- GEO 3471 World Political Geography 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- SSE 3840 Internship 3 hrs
- SSE 4361 Social Science Instructional Analysis 4 hrs

#### Senior Year - Fall
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- American History Elective (AMH 3/4XXX) 3 hrs
- Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX) 3 hrs

#### Senior Year - Spring
- SSE 4941 Internship 12 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

### UCF Degree Programs

#### Social Sciences (B.S.)

**College of Sciences**

**Department of Sociology, Howard Phillips Hall, Room:**

403

**http://sociology.ucf.edu/**

**E-mail: sociology@mail.ucf.edu**

Dr. H. Corzine

Phone: 407-823-3744

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students' awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

### Admission Requirements

- None

### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students who declare the Social Sciences major must meet with a program advisor and complete a standardized entrance exam.
- Students must meet the residency requirements specified in each minor.
- Special topics courses may be used if they are acceptable within the specific minor.
- A minimum UCF GPA of 2.0 is required in all courses used to satisfy the major.

- Grades below “C” (2.0) in lower level courses are not accepted.
- Co-op, internship, or credit by exam (TSD, Military credit) cannot be used in this major.
- Independent Studies and Directed Independent Research (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) must be approved by the Sociology Department prior to enrollment.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs

**Complete one of the following:**
- Prefer COM 1000 Introduction to Communication or 3 hrs
- Suggested SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- 1 Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

1 Required if Communication option of the major is to be followed.

**B: Cultural & Historical Foundations** (9 hrs)

**C: Mathematical Foundations** (6 hrs)

**Statistics:**
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

**Math:**
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
- Required MGF 1107 Explorations in Mathematics 3 hrs

**D: Social Foundations** (6 hrs)

**Select the following course:**
- Required POS 2041 American National Government 3 hrs
Select one of the following, depending on the concentration to be followed.  
Required  ANT 2000  General Anthropology or 3 hrs  
Required  PSY 2012  General Psychology or 3 hrs  
Required  SYG 2000  Introduction to Sociology 3 hrs  

E: Science Foundations (6 hrs)  

2. Common Program Prerequisites (CPP) (0 hrs)  
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.  
- Students must complete two introductory courses in a social science discipline.  
- Course selection depends on concentration to be followed.  

3. Core Requirements: Basic Level (0 hrs)  

Select one of the following Statistics courses: 0 hr  
STA 2014C  Principles of Statistics or GEP  
STA 2023  Statistical Methods I GEP  

Select at least three of the following, depending on concentrations to be taken: 0 hr  
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  
COM 3311  Communication Research Methods or 3 hrs  
POS 3703  Scope and Methods of Political Science or 3 hrs  
PSY 3213C  Research Methods in Psychology or 5 hrs  
SYA 4300C  Research Methods 4 hrs  

Required Minors:  
- Complete the requirements for 3 Social Science minors dealing with the following areas:  
- Only one minor may be selected from the same department or school.  
  - Anthropology 18 hrs  
  - Communication 18 hrs  
  - Political Science 18 hrs  
  - Psychology 25 hrs  
  - Sociology 18 hrs  

5. Restricted Electives (0 hrs)  

6. Capstone Requirements  
- Students will be required to take a standardized exit exam in their graduating semester.  

7. Foreign Language Requirements  

Admissions  
- Met by graduation requirement  

Graduation  
- Proficiency equivalent to one year of college instruction in either a foreign language, three semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.  

8. Electives  
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the areas.  

9. Additional Requirements  
- None  

10. Required Minors  
- Three minors are to be selected from the following listing:  
- However only one minor may be taken within a single department or school.  

University of Central Florida  
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Social Work (B.S.W.)

College of Health and Public Affairs
School of Social Work, Health and Public Affairs I,
Room: 204
http://www.copha.ucf.edu/social/
E-mail: socialwk@mail.ucf.edu
John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
Phone: 407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University
  - A 2.5 overall GPA
  - An AA (from a Florida State Community College) or UCF General Education Program, Gordon Rule, and CLAS
  - 15 semester hours common program prerequisites (see Section 2 below for list of courses)
- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
- Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

Degree Requirements
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program, the CLAS and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations
  - Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Select 1:
  - Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I 3 hrs

Select 1:
  - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
### UCF Degree Programs

#### D: Social Foundations
- Suggested: POS 2041 American National Government (3 hrs)
- Suggested: PSY 2012 General Psychology (3 hrs)

#### E: Science Foundations
- Suggested: BSC 1005 Biological Principles (3 hrs)

#### 2. Common Program Prerequisites (CPP)
- See Transfer Notes
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### Select 1:
- Suggested: AST 2002 Astronomy (3 hrs)
- Prefer: PSC 1121 Physical Science (3 hrs)

#### 2. Common Program Prerequisites (CPP) (6 hrs)
- See Transfer Notes
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

#### 3. Core Requirements: Basic Level (0 hrs)
- None

#### 4. Core Requirements: Advanced Level (45 hrs)
- SOW 3104 Assessing I: Human Development (3 hrs)
- SOW 3111 Assessing II: Human Systems (3 hrs)
- SOW 3203 Social Work & Community Resources (3 hrs)
- SOW 3300 Practice I: Generalist Practice in Social Work (3 hrs)
- SOW 3352 Practice II: Interpersonal Skills in Social Work: (3 hrs)
- SOW 3401 Social Work Research (3 hrs)
- SOW 3520 Social Work with Diverse Populations (3 hrs)
- SOW 4232 Social Welfare Policies and Issues (3 hrs)
- SOW 4341 Micro-Level Roles and Interventions in Social Work (3 hrs)
- SOW 4343 Macro-Level Roles and Interventions in Social Work (3 hrs)

#### Required Principles of Statistics (3 hrs)
- Choose two of the following suggested courses, or see advisor for more options:

#### Foreign Language or Cultural Diversity Requirement (6 hrs)
- Choose two of the following suggested courses:
  - AMH 3561 Women in American History I (3 hrs)
  - AMH 3571 Black American History I (3 hrs)
  - AMH 3586 History of the Hispanic Minorities in the U.S. (3 hrs)
  - ANT 2410 Cultural Anthropology (3 hrs)
  - ANT 3302 Sex, Gender and Culture (3 hrs)
  - ANT 3315 Indians of the Southeastern United States (3 hrs)
  - ANT 3316 Indians of North America High Plains (3 hrs)
  - ANT 3363 Anthropology of Japan (3 hrs)
  - ANT 3610 Language and Culture (3 hrs)
  - ANT 4332 People and Cultures of Latin America (3 hrs)
  - ASH 4404 China in 19th and 20th Centuries (3 hrs)
  - ASH 4442 Modern Japan, 19th and 20th Centuries (3 hrs)
  - ASL 4444 Introduction to Signed English and Culture of the Deaf (3 hrs)
  - CPO 4303 Comparative Latin American Politics (3 hrs)
  - EDF 2085 Introduction to Diversity for Educators (3 hrs)
  - HSC 3593 HIV Disease: A Human Concern (3 hrs)
  - HUM 3401 Asian Humanities (3 hrs)
  - HUM 3417 Hindu Thought and Culture (3 hrs)
  - HUM 3419 Islamic Thought and Culture (3 hrs)
  - JST 3401 The Jewish People I (3 hrs)
  - JST 3402 The Jewish People II (3 hrs)
  - JST 3820 Modern Hebrew Culture (3 hrs)
  - LAH 3130 Latin American History I (3 hrs)
  - LAH 3200 Latin American History II (3 hrs)
  - LAH 3400 History of Mexico and Central America (3 hrs)
  - LAH 3470 History of the Caribbean (3 hrs)
  - SOP 3724 Psychology of Prejudice (3 hrs)
  - SOP 3742 Psychology of Women (3 hrs)
  - SYD 3700 Race and Ethnicity (3 hrs)

#### 5. Restricted Electives (3 hrs)
- Select three hours in consultation with faculty advisor.

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

- **Admissions**
  - Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
  - Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

- **Graduation**
  - Cultural Diversity Requirement or Foreign Language requirement

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements

- **Undergraduate Catalog 2010-2011**
- Earn a cumulative 3.5 GPA in your Social Work major
- Complete a three-credit thesis course
- Complete a three-credit directed reading course/or a three-credit COHPA Interdisciplinary Honor Course
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

#### Honors In Major

- Earn a 3.5 GPA in your Social Work major
- Earn a cumulative 3.2 GPA in your total UCF courses
- Complete 60 hours of college credit, including 12 upper division hours at UCF

#### Related Programs

- Criminal Justice
- Psychology
- Public Administration
- Sociology

#### Certificates

- Aging Studies
- Children’s Services

#### Related Minors

- Aging Studies
- American Humanics
- Health Services Administration
- Non-Profit Management/American Humanics National Certification Program
- Psychology
- Sociology
Advising Notes
■ None

Transfer Notes
■ Community College Equivalent courses for prerequisites:
any course in the following areas (3 hrs each): American
Government or American National Government; Biology (Human
Biology or Anatomy & Physiology); Economics (Microeconomics
or Macroeconomics); Introductory Psychology; Introductory
Sociology; Principles of Statistics

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

Freshman Year - Fall 14 hrs
BSC 1005 Biological Principles 3 hrs
ENC 1101 Composition I 3 hrs
PAF 2102 Public Affairs Careers 2 hrs
STA 2014C Principles of Statistics 3 hrs
Select 1: 3 hrs
PSY 2012 General Psychology or
SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
MGF 1106 Finite Mathematics 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

Select 1: 3 hrs
MUL 2103 Enjoyment of Music or
PHI 2103 Introduction to Philosophy or
REL 2100 World Religions or
THE 2000 Theatre Survey 3 hrs

Sophomore Year - Fall 15 hrs
SOW 2020 Careers in Creating Social Change 3 hrs
SPC 1002 Fundamentals of Oral Communication 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or
ECO 2023 Principles of Microeconomics 3 hrs

Select 1: 3 hrs
AMH 2103 U.S. History: 1492-1877 or
EUI 2000 Western Civilization I or
HUM 2210 Humanistic Tradition I or
WOH 2012 World Civilization I or
Foreign Language I or Cultural Diversity 3 hrs

Sophomore Year - Spring 15 hrs
Free Elective 3 hrs
Select 1: 3 hrs
AST 2002 Astronomy or
CHM 1020 Concepts in Chemistry or
PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
AMH 2020 U.S. History: 1877-Present or
EUI 2001 Western Civilization II or
HUM 2230 Humanistic Tradition II or
Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs
Select 1: 3 hrs
SOW 3104 Assessing I: Human Development or
SOW 3300 Practice I: Generalist Practice in Social Work or
SOW 3620 Social Work with Diverse Populations 3 hrs
SOW Elective 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
SOW 3104 Assessing I: Human Development 3 hrs
SOW 3300 Social Work & Community Resources 3 hrs
SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
Select 1: 3 hrs
Free Elective 3 hrs
STA 2014C Principles of Statistics 3 hrs

Junior Year - Spring 15 hrs
Free Elective 3 hrs
SOW 3111 Assessing II: Human Systems 3 hrs
SOW 3352 Practice II: Interpersonal Skills in Social Work 3 hrs
SOW 3401 Social Work Research 3 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs

Junior Year - Summer 9 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
SOW Elective 3 hrs

Senior Year - Fall 18 hrs
Free Elective 3 hrs
1 SOW 4510 Field Education 3 hrs
2 SOW 4522 Field Education Seminar 3 hrs
3 SOW 4941 Internship 5 hrs
1 For Full-time students ONLY
2 For part-time students ONLY

Senior Year - Spring 12 hrs
Free Elective 3 hrs
1 SOW 4510 Field Education 3 hrs
2 SOW 4522 Field Education Seminar 3 hrs
3 SOW 4941 Internship 5 hrs
1 For Full-time students ONLY
2 For part-time students ONLY

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oews.ucf.edu/aic/academic_learning_compacts.htm

Sociology (B.A.)
College of Sciences
Department of Sociology
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Dr. J. Corzine, hcorzine@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 presentation skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate
UCF Degree Programs

and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a “C” (2.0) or higher in all core courses.
- Co-op credit cannot be used in this major.
- Directed Independent studies, directed independent research, and internships must be approved by the Sociology department prior to enrollment.
- No more than 12 hours of directed independent study, directed independent research, and internship (course numbers 3905, 4906, 5907, 4912, 5917, 3940, 4941) credit may be used for the major.
- Students should consult annually with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)

Math:

- A satisfactory score in the Math Placement Test is required before enrolling in this course.
  - Prefer MAC 1105 College Algebra 3 hrs

Statistics:

- Prefer STA 204C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

Social Sciences

- Required SYG 2000 Introduction to Sociology 3 hrs

Political Science/Economics

- Select one listed course 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (3 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.

SYA 3110 Social Theory 3 hrs
SYG 2000 Introduction to Sociology GEP

3. Core Requirements: Basic Level (0 hrs)

SYG 2000 Introduction to Sociology GEP/CPP

4. Core Requirements: Advanced Level (12 hrs)

SYA 3110 Social Theory CPP
SYA 4300C Applied Social Statistics 4 hrs
SYA 4300C Research Methods 4 hrs
SYA 4450 Data Analysis 4 hrs

5. Restricted Electives (27 hrs)

Select from the following courses:

- All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

SYA 3120 Contemporary Social Theory 3 hrs
SYA 4650C Community Action and Involvement 3 hrs
SYA 5625 ProSeminar 3 hrs
SYA 5652 Advanced Population 3 hrs
SYD 3410 Urban Society 3 hrs
SYD 3700 Race and Ethnicity 3 hrs
SYD 3800 Sex and Gender in Society 3 hrs
SYD 4020 Birth, Death, and Population Trends 3 hrs
SYD 4510 Environment and Society 3 hrs
SYD 4810 Women in Contemporary Society 3 hrs
SYD 4813 Women, Law and Social Change 3 hrs
SYO 2010 Social Problems 3 hrs
SYO 3000 Contemporary Society 3 hrs
SYO 3360 Social Organization and Human Relations 3 hrs
SYO 3410 Patterns of Mental Health in Society 3 hrs
SYO 3530 Social Power and Inequality 3 hrs
SYO 4100 Family Trends 3 hrs
SYO 4200 Religion in Society 3 hrs
SYO 4250 Education and Social Achievement 3 hrs
SYO 4300 Political Sociology 3 hrs
SYO 4400 Medical Sociology 3 hrs
SYP 3300 Fads, Crowds, and Social Action 3 hrs
SYP 3400 Social Change 3 hrs
SYP 3510 Sociology of Deviant Behavior 3 hrs
SYP 3511 Sociology of Murder 3 hrs
SYP 3520 Criminology 3 hrs
SYP 3530 Juvenile Delinquency 3 hrs
SYP 3540 Sociology of Law 3 hrs
SYP 3551 Patterns of Alcoholism in Society 3 hrs
SYP 3562 Patterns of Domestic Violence in Society 3 hrs
SYP 3602 Patterns of Popular Music in Society 3 hrs
SYP 3630 Popular Culture In Society 3 hrs
SYP 3650 Sports and Society 3 hrs
SYP 4000 Sociological Social Psychology 3 hrs
SYP 4004 Constructing Social Issues 3 hrs
SYP 4514 Patterns of Violence in Society 3 hrs
SYP 4521 Crime Victims in Society 3 hrs
SYP 4536 Gangs and Society 3 hrs
SYP 4550 Patterns of Drug Abuse in Society 3 hrs
SYP 4730 Patterns of Aging in Society 3 hrs
SYP 4732 Minority Aging 3 hrs
SYP 5525 Sociological Criminology 3 hrs

Internship: 0 hr

- Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.

SYA 3940 Internship or SYA 4941 Internship or SYA 5944 Internship 3 hrs

All special topics courses with the prefixes SYA, SYD, SYO, or SYP 3 hrs

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement.

Graduation

- Proficiency equivalent to one year of college instruction in either a foreign language, or three semesters equivalent of American Sign Language. Standardized examinations may be used to meet the requirement.
8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum GPA of 2.0 in all courses used for the major.
- A minimum grade of "C" (2.0) in all core courses.
- Students will be required to take a standard exit exam in their graduating semester.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  SYA 4450  Data Analysis  4 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Criminal Justice

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information (e.g., syllabus, course catalog description).

Acceptable Substitutes for Transfer Courses
- SYG 2000: although the CPP accepts any lower division sociology course, this course is a prerequisite for subsequent sociology courses and still must be taken.
- SYA 3110: although the CPP accepts any SYA, SYD, SYG, SYO, or SYP course, this course is required in the program and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

**Freshman Year - Fall**  
16 hrs  
- Foreign Language  4 hrs  
- ENC 1101 Composition I  3 hrs  
- MAC 1105 College Algebra  3 hrs  
- SYG 2000 Introduction to Sociology  3 hrs

**Freshman Year - Spring**  
16 hrs  
- Free Elective  3 hrs  
- Foreign Language  4 hrs  
- GEP  3 hrs  
- ENC 1102 Composition II  3 hrs  
- STA 2014C Principles of Statistics  3 hrs

**Sophomore Year - Fall**  
15 hrs  
- GEP  3 hrs  
- GEP  3 hrs  
- Restricted Elective  3 hrs  
- Free Elective  3 hrs  
- Free Elective  3 hrs

**Sophomore Year - Spring**  
16 hrs  
- GEP  3 hrs  
- GEP  3 hrs  
- Restricted Elective  4 hrs  
- Restricted Elective  3 hrs  
- Free Elective  3 hrs

**Junior Year - Fall**  
14 hrs  
- GEP  3 hrs  
- Restricted Elective  3 hrs  
- SYA 3400C Applied Social Statistics  4 hrs  
- SYA 4300C Research Methods  4 hrs

**Junior Year - Spring**  
14 hrs  
- Free Elective  3 hrs  
- Free Elective  4 hrs  
- SYA 3110 Social Theory  3 hrs  
- SYA 4450 Data Analysis  4 hrs

**Senior Year - Fall**  
15 hrs  
- Restricted Elective  3 hrs  
- Restricted Elective  3 hrs  
- Free Elective  3 hrs  
- Free Elective  3 hrs  
- Free Elective  3 hrs

**Senior Year - Spring**  
14 hrs  
- Restricted Elective  3 hrs  
- Restricted Elective  3 hrs  
- Restricted Elective  3 hrs  
- Free Elective  3 hrs  
- Free Elective  2 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term
### UCF Degree Programs

**Spanish (B.A.)**

**College of Arts and Humanities**  
**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**  
**E-mail: forlang@mail.ucf.edu**  
Dr. Paul Giordano  
Phone: 407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

**Admission Requirements**
- None

**Degree Requirements**
- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
- Students must earn at least a “C” (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled.

#### 1. UCF General Education Program (GEP) (36 hrs)

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirements</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td></td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td></td>
<td>(6 hrs)</td>
</tr>
</tbody>
</table>

#### 2. Common Program Prerequisites (CPP) (0 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- SPN 3234 Advanced Directed Readings 3 hrs

#### 3. Core Requirements: Basic Level (0 hrs)
- SPN 3234 Advanced Directed Readings 3 hrs

#### 4. Core Requirements: Advanced Level (15 hrs)
- SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- SPN 3420 Spanish Composition 3 hrs
- SPN 3760 Advanced Spanish Oral Communication 3 hrs

Select one of the following sequences of courses:
- SPW 3100 Survey of Spanish Literature I and 3 hrs
- SPW 3101 Survey of Spanish Literature II 3 hrs
- or
- SPW 3130 Survey of Latin-American Literature I and 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

#### 5. Restricted Electives (21 hrs)

Select one of the following:
- FOL 3730 Romance Philology 3 hrs
- SPN 3852 Bilinguismo 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs
- SPN 4800 Spanish-American Syntax 3 hrs
- SPN 4801 Spanish Morphosyntax 3 hrs

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements
- 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
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120
Honors In Major
- None

Related Programs
- French
- Modern Language Combination

Certificates
- None

Related Minors
- French
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute Third-year level composition and conversation courses.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternatives in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
Elective / Minor 3 hrs
ANT 2000 General Anthropology 3 hrs
ENC 1101 Composition I 3 hrs
MGF 1106 Finite Mathematics 3 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Freshman Year - Spring
Elective / Minor 4 hrs
ENC 1102 Composition II 3 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall
AMH 2010 U.S. History: 1492-1877 3 hrs
ARH 2050 History of Western Art I 3 hrs
POS 2041 American National Government 3 hrs
SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

Sophomore Year - Spring
Elective / Minor 3 hrs
BSC 1005 Biological Principles 3 hrs
COM 1000 Introduction to Communication 3 hrs
MUL 2010 Enjoyment of Music 3 hrs
SPN 3234 Advanced Directed Readings 3 hrs

Junior Year - Fall
Elective / Minor 3 hrs
Elective / Minor 3 hrs
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
SPN 3760 Advanced Spanish Oral Communication 3 hrs

Junior Year - Spring
Elective / Minor 3 hrs
Elective / Minor 3 hrs
SPN 3141 Business Spanish II 3 hrs
SPN 4780 Spanish Phonetics 3 hrs
SPW 3101 Survey of Spanish Literature II 3 hrs

Senior Year - Fall
Elective / Minor 3 hrs
Elective / Minor 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs
SPN 5705 Introduction to Spanish Linguistics 3 hrs
SPW 3100 Survey of Spanish Literature I 3 hrs

Senior Year - Spring
Elective / Minor 3 hrs
Elective / Minor 3 hrs
SPN 4410 Advanced Spanish Conversation 3 hrs
SPW 3131 Survey of Latin-American Literature II 3 hrs
SPW 4381 Latin-American Theatre/Poetry 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_comacts.htm

Sport and Fitness (B.S.)
College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
http://pegasus.cc.ucf.edu/~sportfit/
Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu

The Sport and Fitness B.S. program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares graduates for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. Students select from five areas of specialization (i.e., Coaching; Fitness Training; Children's Physical Activity and Movement; Physical Human Performance; or Recreation). While in the program, students complete professional certification(s) within their specialization as part of their program requirements. Students are provided with a mix of course content and practical field experiences. Students may be required to participate in courses and/or field experiences at both the UCF Orlando campus and the UCF South Lake (Clermont) Campus sites. The capstone activities of the program include two Practicums with high-quality program partners that provide invaluable hands-on knowledge and experiences in the student's chosen field.

Admission Requirements
- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.0 overall GPA.
- Meet the University CLAS requirement.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements
- Students should consult with an advisor on a regular basis. The courses designated in 1. (General Education), 2. (Sport and Fitness Lower Division), and 3. (Lower Division Electives) should be completed prior to admission to the major and upper division courses.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, and at least every semester thereafter.
- Students must earn at least a “C-” (1.75) in each required course and maintain an overall GPA of at least a 2.0.
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PEO 3324</td>
<td>Coaching Volleyball</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 3768</td>
<td>Group Exercise Instruction</td>
<td>3 hrs</td>
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<tr>
<td>PET 4083</td>
<td>Personal Training Methods</td>
<td>3 hrs</td>
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<tr>
<td>PET 4215</td>
<td>Motivational Aspects of Athletic Performance</td>
<td>3 hrs</td>
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<tr>
<td>PET 4351C</td>
<td>Applied Exercise and Human Physiology</td>
<td>3 hrs</td>
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<tr>
<td>SPM 3415</td>
<td>Public Relations in Sport and Fitness</td>
<td>3 hrs</td>
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<td>Select 1:</td>
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<tr>
<td>PET 3125</td>
<td>Fitness and Weight Management</td>
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<tr>
<td>PET 3771</td>
<td>Strength and Conditioning Concepts</td>
<td>3 hrs</td>
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<td>Select 6:</td>
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<td>DAE 3370</td>
<td>Dance and Rhythms</td>
<td>3 hrs</td>
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<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>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Group 1: Education: School-Age Focus**

- Note: Students must enroll in Education minor
- EDF 4467 Learning Theory and Assessment and
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools
- EDG 4410 Teaching Strategies and Classroom Management

| Select 1:   |                                                                                | 3 hrs   |
| RED 4043    | Content Reading in Kindergarten through Grade 12 or                           | 3 hrs   |
| TSL 4080    | Theory and Practice of Teaching ESOL for Students in Schools                 | 3 hrs   |

**Group 2: Coaching Children Focus**

| Select 2:   |                                                                                | 6 hrs   |
| PEO 3224    | Coaching Basketball or                                                        | 3 hrs   |
| PEO 3324    | Coaching Volleyball or                                                        | 3 hrs   |
| PEO 3644    | Coaching Football or                                                          | 3 hrs   |
| PET 4215    | Motivational Aspects of Athletic Performance                                  | 3 hrs   |
| SPM 3204    | Sports and Ethics or                                                          | 3 hrs   |
| SPM 3415    | Public Relations in Sport and Fitness                                         | 3 hrs   |

**Group 3: Children’s Fitness Focus**

| Select 5:   |                                                                                | 6 hrs   |
| PEO 3361    | Nutrition for Sport and Fitness                                               | 3 hrs   |
| PET 3771    | Strength and Conditioning Concepts                                            | 3 hrs   |
| PET 4215    | Motivational Aspects of Athletic Performance                                  | 3 hrs   |
| SPM 3415    | Public Relations in Sport and Fitness                                         | 3 hrs   |

**Group 4: Early Childhood Development Focus**

- EEC 3700 Social and Emotional Development of Young Children
- EEC 4033 Planning Creative Activities in Early Childhood Education
- EEC 4604 Classroom Management and Guidance of Young Children
- EEC 4661 Early Childhood Education Theory and Practice

**D. Physical Human Performance Specialization**

| Select 9:   |                                                                                | 9 hrs   |
| PEO 3361    | Nutrition for Sport and Fitness                                               | 3 hrs   |
| PET 3771    | Strength and Conditioning Concepts                                            | 3 hrs   |
| PET 4083    | Personal Training Methods                                                     | 3 hrs   |
| PET 4215    | Motivational Aspects of Athletic Performance                                  | 3 hrs   |
| PET 4351C   | Applied Exercise and Human Physiology                                         | 3 hrs   |
| PET 4625    | Human Injuries: Mechanisms & Prevention                                       | 3 hrs   |

Select nine hours of electives (as approved by Advisor)

---

**UCF Degree Programs**

- Prior to participation in Sport and Fitness Practicum I and Practicum II listed below, students must have achieved admission into one of the areas of specialization listed and described below.

- Students must meet with their advisor prior to enrollment in Sport and Fitness Practicum I and Practicum II to complete departmental application and approval process of the organization with which they will be working.

**1. UCF General Education Program (GEP)**

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A:</td>
<td>Communication Foundations</td>
<td>Required ENC 1101 Composition I 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Required ENC 1102 Composition II 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Prefer SPC 1908 Fundamentals of Oral Communication 3 hrs</td>
</tr>
<tr>
<td>B:</td>
<td>Cultural &amp; Historical Foundations</td>
<td>Prefer AMH 2010 U.S. History: 1492-1877 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Prefer AMH 2020 U.S. History: 1877-Present 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Elective from GEP section B.2 3 hrs</td>
</tr>
<tr>
<td>C:</td>
<td>Mathematical Foundations</td>
<td>Prefer MGF 1106 Finite Mathematics 3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Option</th>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prefer STA 1060C Basic Statistics Using Microsoft Excel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Prefer STA 2214C Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**D: Social Foundations**

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Prefer POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Prefer PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**E: Science Foundations**

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required BSC 2010C Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td>Prefer PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**2. Common Program Prerequisites (CPP)**

- None

**3. Core Requirements: Basic Level**

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sport and Fitness Pre-requisite Courses</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Sport and Fitness Co-requisite Courses</td>
<td>7 hrs</td>
</tr>
<tr>
<td></td>
<td>Lower Division Electives</td>
<td>13 hrs</td>
</tr>
<tr>
<td></td>
<td>Sport and Fitness Core</td>
<td>15 hrs</td>
</tr>
</tbody>
</table>

**4. Core Requirements: Advanced Level**

- Select one Specialization and Electives- approved by advisor

- Students must complete three certifications approved by advisor prior to graduation (these certifications will be determined in PET 3137-Concepts and Practices in Sport and Fitness course).

**A. Coaching Specialization**

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A:</td>
<td>PET 3361 Nutrition for Sport and Fitness 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PET 3768 Group Exercise Instruction 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PET 4083 Personal Training Methods 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PET 4215 Motivational Aspects of Athletic Performance 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PET 4351C Applied Exercise and Human Physiology 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SPM 3415 Public Relations in Sport and Fitness 3 hrs</td>
</tr>
</tbody>
</table>

**B. Fitness Training Specialization**

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select 1:</td>
<td>PET 3125 Fitness and Weight Management or 3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PET 3771 Strength and Conditioning Concepts 3 hrs</td>
</tr>
</tbody>
</table>

**Group 1: Education: School-Age Focus**

- Note: Students must enroll in Education minor

**Group 2: Coaching Children Focus**

- Select 2: 6 hrs

**Group 3: Children’s Fitness Focus**

- Select 5: 6 hrs

**Group 4: Early Childhood Development Focus**

- Select 9: 9 hrs
5. Restricted Electives (18 hrs)

Sport and Fitness Practica
- During the final year of the program, students will complete Practicum requirements with a Sport or Fitness organization. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they have chosen to work. The design of Practicum I will be that of an observational and analytical role. During Practicum II, the student will be given responsibilities and assignments through the organization in which they have been placed and will carry an active role in the operation of the organization.
- In both Practicum I and Practicum II, the student will be working directly with a Placement Coordinator in the organization and their University Supervisor. The University Supervisor will maintain periodic contact with the Placement Coordinator to check performance status. The Sport and Fitness program has developed tremendous opportunities through associations with partners in the Clermont and greater Orlando areas. Students will not be limited to these organizations. Students will have the option to arrange their own practicum experience if they so choose. In either case, before enrolling in either Practicum I or Practicum II, students must meet with their advisor to provide organization contact information and gain Practicum Placement Approval.
- The students will be instructed that they will be representing not only themselves while on site during their Practicum experiences, but also the University of Central Florida and the Sport and Fitness Program. Professionalism in manner, dress and job performance will be expected at all times. Should there be any question of the performance of the students during their practicum experience, they will be required to meet with their University Supervisor and their Faculty Advisor for a performance evaluation before returning to the Practicum site. The performance concerns will be addressed and a plan of action will be developed. If the problems persist and the situation warrants, the students may be removed from their Practicum experience.

PET 4925  Sport and Fitness Practicum I 6 hrs
PET 4926  Sport and Fitness Practicum II 12 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- (0-8 hrs.) State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None
### UCF Degree Programs

**Sophomore Year - Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEP 810C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP 810C</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>PET 4312 Biomechanics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PET 4550 Fitness Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 4723 Legal Issues in Sport and Fitness</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization course</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Junior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PET 4401 Administration and Evaluation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPM 3504 Fiscal and Facilities:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization course</td>
<td>3 hrs</td>
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</table>

**Junior Year - Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specialization course</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>PET 4925 Sport and Fitness Practicum I</td>
<td>6 hrs</td>
</tr>
<tr>
<td>Specialization course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Specialization course</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>PET 4926 Sport and Fitness Practicum II</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.oee.s.ucf.edu/alc/academic_learning_compacts.htm](http://www.oee.s.ucf.edu/alc/academic_learning_compacts.htm)

### Statistics (B.S.)

**College of Sciences**

**Department of Statistics, Computer Center II, Room: 212**

**E-mail:** statistics@ucf.edu

**Phone:** 407-823-2289

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a "C" (2.0) in each course with a STA prefix.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All statistics courses except the following, and those protected by Florida Common Course Numbering must be taken from, or approved by the Statistics Department at UCF.
  - STA 2023 Statistical Methods I
  - STA 3032 Probability and Statistics for Engineers

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**

- Required MAC 2311 Calculus with Analytic Geometry I (4 hrs)
- Required STA 2023 Statistical Methods I (3 hrs)

### D: Social Foundations (6 hrs)

**E: Science Foundations**

#### Life Science:

- Required BSC 2010C Biology I (4 hrs)

#### Physical Science:

- Required PHY 2053C College Physics I (4 hrs)

- Required CHM 2040C Chemistry Fundamentals IA and IB (3 hrs)
- Required CHM 2041C Chemistry Fundamentals IB (3 hrs)
- Required CHM 2045C Chemistry Fundamentals I (4 hrs)

#### 2. Common Program Prerequisites (CPP) (15 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including some possible substitutes.

- BSC 2011C Biology I or
- MAC 2311 Calculus with Analytic Geometry I (3 hrs)
- MAC 2312 Calculus with Analytic Geometry II (4 hrs)
- MAC 2313 Calculus with Analytic Geometry III (4 hrs)
- STA 2023 Statistical Methods I (3 hrs)

### 3. Core Requirements: Basic Level (0 hrs)

- BSC 2010C Biology I (GEP/CPP)
- MAC 2311 Calculus with Analytic Geometry I (GEP/CPP)
- MAC 2312 Calculus with Analytic Geometry II (CPP)
- MAC 2313 Calculus with Analytic Geometry III (CPP)
- STA 2023 Statistical Methods I (GEP/CPP)

### 4. Core Requirements: Advanced Level (43 hrs)

- COP 3302C Computer Processing of Statistical Data (3 hrs)
- STA 4211 Statistical Theory I (3 hrs)
- STA 4212 Statistical Theory II (3 hrs)

- **Select 1:**
  - MAS 3105 Matrix and Linear Algebra (4 hrs)
  - MAS 3106 Linear Algebra (4 hrs)

- **Select 1:**
  - COT 3100C Introduction to Discrete Structures (3 hrs)
  - MHF 3302 Logic and Proof in Mathematics (3 hrs)
Select 4:
- STA 3096 Statistical Graphics or 12 hrs
- STA 4173 Biostatistical Methods or
- STA 4183 Theory of Interest or
- STA 4184 Introduction to Derivative Markets or
- STA 4186 Theory of Derivative Pricing or
- STA 4222 Sample Survey Methods or
- STA 4502 Nonparametric Statistical Methods or
- STA 4504 Categorical Data Analysis or
- STA 4664 Statistical Quality Control or
- STA 4852 Applied Time Series

5. Restricted Electives (6 hrs)
- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science courses.
- Selected courses in engineering or business may be used but must first be approved by the Statistics Department.
- The following courses cannot be used to satisfy this requirement:
  - MAC 2233 Concepts of Calculus 3 hrs
  - MAC 2253 Applied Calculus I 3 hrs
  - MAC 2254 Applied Calculus II 3 hrs
  - MHF 4404 History of Mathematics 3 hrs
All MAE courses

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- The following courses from business may be used without prior approval by the Statistics Department.
  - ACG 2021 Principles of Financial Accounting 3 hrs
  - ACG 2071 Principles of Managerial Accounting 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs
  - FIN 3403C Business Finance 4 hrs
- The following courses cannot be used to satisfy this requirement:
  - CPA 4004 Principles of Auditing 3 hrs
  - CPA 4014 Advanced Auditing 3 hrs
  - CPA 4024 Advanced Tax 3 hrs
  - CPA 4034 Introduction to Business Law 3 hrs

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each STA course.
- Take SOA Exam P (Probability) and report the score to the department.
- Before applying to graduate, the CLAS must be completely satisfied.
- Computer Competency met by the following:
  - STA 4102 Computer Processing of Statistical Data 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
- Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Mathematics - Applied Track
- Mathematics Education

Certificates
- None

Related Minors
- Mathematics
- Statistics

Advising Notes
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and still may need to be taken.
- Biology: any laboratory BSC, CHM, or PHY course will satisfy the CPP. However, the listed is a program core requirement and will need to be taken.
- Statistics: although any STA 2XXX course will satisfy the CPP, the listed course is required in the program's core and will still need to be taken.

Plan of Study (120 hrs)
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall
- GEP 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

Select one course:
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- PHY 2053C College Physics I 4 hrs

Sophomore Year - Fall
- GEP 3 hrs
- GEP 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 4163 Statistical Methods II 3 hrs

Sophomore Year - Spring
- Core Course 3 hrs
- Core Course 4 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Junior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- STA 4321 Statistical Theory I 3 hrs
### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4322 Statistical Theory II</td>
<td>3 hrs</td>
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</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elective / Minor</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COT 4500 Numerical Calculus</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4102 Computer Processing of Statistical Data</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Take SOA EXAM P (Probability).</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Technical Education and Industry Training (B.S.)

#### College of Education

#### Department of Teaching and Learning Principles,

Education Building, Room: 209


Dr. Jo Ann M. Whiteman, ED 115D, jwhitema@mail.ucf.edu

Phone: 407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see [http://distrib.ucf.edu/home](http://distrib.ucf.edu/home).

#### Admission Requirements

- Complete the University General Education requirements or its equivalent, (i.e. an AA degree from an approved Florida community college or state university)
- Have a minimum 2.5 overall GPA
- Meet the University CLAS or CLAS alternative criteria
- Complete prerequisite courses
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

#### Degree Requirements

- Students should consult with an Education advisor prior to registration.
- This degree is for students in adult Technical Education and Industry Training. Some students are full-time or part-time teachers in the public school sector, including middle schools, high schools, adult technical centers and community colleges. Some serve as technical education teachers with the Department of Corrections. Other program participants are retired military personnel who were technicians or trainers and now wish to become teachers or industry-specific trainers. All students have set a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

### Degree Requirements

<table>
<thead>
<tr>
<th>1. UCF General Education Program (GEP)</th>
<th>(36 hrs)</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>Prefer SPC 1601 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>E: Science Foundations</td>
<td>(6 hrs)</td>
</tr>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 2085 Introduction to Diversity for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EME 2040 Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3. Core Requirements: Basic Level</td>
<td>(0 hrs)</td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td>4. Core Requirements: Advanced Level</td>
<td>(57 hrs)</td>
</tr>
<tr>
<td>ADE 4382 Teaching Adult Learners in Technical Programs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 3062 Professional Role of the Vocational Teacher</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 3365 General Methods/Testing Evaluation in Vocational Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 3367 Evaluation of Vocational Instruction</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 3502 Special Needs of Vocational Students</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 4065 Principles and Practices of Technical Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 4169 Curriculum Development Techniques for Industry Training</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 4368 Advanced Teaching Techniques for Vocational Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td></td>
</tr>
<tr>
<td>BTE 4410 Course Construction in Business Education or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 3312 Course Construction in Health Occupations Education or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EVT 3371 Course Construction in Industrial Education</td>
<td>3 hrs</td>
</tr>
<tr>
<td>5. Restricted Electives</td>
<td>(18 hrs)</td>
</tr>
<tr>
<td>Upper Division Electives</td>
<td>6 hrs</td>
</tr>
<tr>
<td>With advisor’s approval</td>
<td></td>
</tr>
<tr>
<td>Directed Field Experience</td>
<td>12 hrs</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>6. Capstone Requirements</td>
<td>None</td>
</tr>
<tr>
<td>7. Foreign Language Requirements</td>
<td></td>
</tr>
<tr>
<td>Admissions</td>
<td></td>
</tr>
<tr>
<td>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.)</td>
<td></td>
</tr>
</tbody>
</table>
Certification pass the GKT. See advisor for further details.

- Rule, the CLAS and nine hours of Summer credit (if applicable)
- CLEP, Credit by Exam, and Armed Forces credits permitted.
- residency at UCF

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)
- It is highly recommended that students seeking State Certification pass the GKT. See advisor for further details.
  
Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Social Foundations Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- Select 1: 3 hrs
  - STA 1060C Basic Statistics Using Microsoft Excel or
  - STA 2014C Principles of Statistics 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Cultural-Historical Foundations Course 3 hrs
- Social Foundations Course 3 hrs

Sophomore Year - Fall
- 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
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- Technical Specialization Course 3 hrs
- Technical Specialization Course 3 hrs
- Science Foundations Course 3 hrs
- Foreign Language Course (if needed) 4 hrs

Sophomore Year - Summer
- EVT 3502 Special Needs of Vocational Students 3 hrs

Select 1:
- EVT 3312 Course Construction in Health Occupations Education or
- EVT 3371 Course Construction in Industrial Education 3 hrs

Junior Year - Fall
- EVT 3365 General Methods/Testing Evaluation in Vocational Education
- Technical Specialization Courses 12 hrs

Junior Year - Spring
- EVT 3362 Professional Role of the Vocational Teacher 3 hrs
- EVT 3367 Evaluation of Vocational Instruction 3 hrs
- Technical Specialization Courses 9 hrs

Junior Year - Summer
- EVT 4065 Principles and Practices of Technical Education 3 hrs
- EVT 4169 Curriculum Development Techniques for Industry Training 3 hrs

Senior Year - Fall
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- EVT 4368 Advanced Teaching Techniques for Vocational Education 3 hrs
- Upper Division Electives 6 hrs

Senior Year - Spring
- EVT 4941 Internship 12 hrs

Senior Year - Summer
- It is highly recommended that students seeking State Certification pass the GKT. See advisor for further details.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Theatre (B.F.A.)

College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu/

Dr. Be Boyd, bboyd@mail.ucf.edu, 407-823-2862
Dr. Bert Scott, hscott@mail.ucf.edu, 407-823-2862
Phone: 407-823-2862

The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides the student with a very structured and intensive career preparation in either Acting, Stage Management, or Design & Technology. The BFA is also an excellent degree for students who are interested in pursuing graduate studies in theatre. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Casting, crew, and design assignments are regulated to serve the artistic growth of students coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
The departmental faculty evaluates students desiring to become BFA majors via an interview and either audition or portfolio review as appropriate to the specialization. For complete information, visit the audition site online at http://www.theatre.ucf.edu.

An Acting candidate must be interviewed and perform two monologues of contrasting styles limited to a combined time of 3 minutes. See http://www.theatre.ucf.edu for details and to schedule an appointment.

Design & Technology and Stage Management tracks require an interview and portfolio review. The portfolio need not be expensive and should contain no more than fifteen examples of the student’s best work representing a variety of mediums including theatre work, drawing, painting, or other related projects. Three-dimensional pieces should be submitted in photo format. Stage Management majors should prepare a prompt book for presentation at their interview. See http://www.theatre.ucf.edu.

All Acting students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of audition.

All Design & Technology and Stage Management students must submit a resume, personal photo (formal head shot not required), three letters of recommendation, and transcripts of previous college work at the time of interview.

All BFA students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.

Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.

The BFA plan of study requires a fall start for proper course sequencing. Students are not accepted to begin in the Spring or Summer semesters.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.

Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.

Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program. Continuation in the BFA program requires a positive BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.

Co-op credit cannot be used in this major.

Students must consult with a departmental advisor before registering each semester. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.

Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.

Prior to graduation, all BFA acting majors (including transfers) must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, one must be a front of house assignment, and the final one can be chosen by the student.

Prior to graduation, all BFA Design & Technology and Stage Management majors (including transfers) must participate in at least 4 productions in addition to their Stagecraft I and II Labs. At least two participation credits must be in an advanced production position. The other two credits can be a combination of shop assignments, run crew, front of house, or department head. Stage Management majors can use performance assignments for participation assignments.

All BFA acting majors are required to audition for all Fall and Spring productions and must accept the roles assigned.

Due to the conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.

Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.

All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.

The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.

Students must follow the most recent department student handbooks which are available on the department web site at www.theatre.ucf.edu.

Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Courses designated 1 (General Education Program) are taken throughout all four years.

Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

1. UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

1 Required ARH 2051 History of Western Art II 3 hrs

Required THE 2020 Survey of Theatre for Majors 3 hrs

1 Design & Technology Students select ARH 2051. (History of Western Art II)

C: Mathematical Foundations (6 hrs)

1 Required MGF 1106 Finite Mathematics 3 hrs

Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 (May substitute for a higher level math)

D: Social Foundations (6 hrs)
E: Science Foundations  

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 2020</td>
<td>Survey of Theatre for Majors</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 2090L</td>
<td>Theatre Participation-Management I</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2201L</td>
<td>Technical Theatre Production Lab</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>TPP 3101C</td>
<td>Acting II -The Actor Prepares</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1: 

- TPP 2101 | Fundamentals of Acting or |
- TPP 2110C | Acting I - Introduction |

Select 1: 

- TPA 2211 | Stagecraft II |
- TPP 2170C | Stagecraft I Lab |

Select one of the following sequences of courses:

TPA 2210 | Stagecraft I |
TPA 2220C | Stage Electronics |
TPA 2230C | Costume Construction |
TPA 2248C | Makeup Techniques |
TPA 3077C | Scene Painting |
TPA 3601L | Stage Management |
TPP 2170C | Theatre Internship |

Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

1 See Transfer Notes for possible substitutes.
2 (Design & Tech and Stage Management)
3 (Acting specialization)

4. Core Requirements: Advanced Level (64 hrs)

Specialization: select one area

Stage Management Specialization 60 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4285</td>
<td>Period Costume, Architecture, and Decor II</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2000C</td>
<td>Theatre Design Basics</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2010C</td>
<td>Scenography</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2210L</td>
<td>Stagecraft I Lab</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2211L</td>
<td>Stagecraft II Lab</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 2220C</td>
<td>Stage Electronics</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 2600</td>
<td>Stage Management Basics</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3195L</td>
<td>Summer Theatre StudioTech/Design I</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3197L</td>
<td>Summer Theatre StudioTech/Design II</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 3601</td>
<td>Stage Management</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4250C</td>
<td>CADD for Theatre</td>
<td></td>
<td>2 hrs</td>
</tr>
<tr>
<td>TPA 4293L</td>
<td>Theatre Participation-Production II</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>TPA 4400</td>
<td>Theatre Management</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPA 4401C</td>
<td>Theatre Careers in Production</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4602</td>
<td>Advanced Stage Management</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3103</td>
<td>Intermediate Acting</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 4940L</td>
<td>Theatre Internship</td>
<td></td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (see list of courses) 7 hrs

TPA 3860C | Scene Design for Theatre I or TPA 3040C |

Costume Design for Theatre I

Select 1: 

- TPA 3221C | Lighting Design for Theatre I |
- TPA 3260C | Sound Design for Theatre I |

5. Restricted Electives (0 hrs)

- (except where required for a specialization - see specializations for credit hours)

- Choose from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050</td>
<td>History of Western Art I</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>DAA 2570C</td>
<td>Modern Dance</td>
<td></td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 2600C</td>
<td>Jazz Dance</td>
<td></td>
<td>2 hrs</td>
</tr>
<tr>
<td>DAA 4912</td>
<td>Directed Research</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 2025</td>
<td>Introduction to Theatrical Design</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 2250</td>
<td>Sex, Drugs, &amp; the Rock and Roll Musical</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3240</td>
<td>Musical Theatre Survey</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>TPP 3383</td>
<td>Taboo Theatre: Sex &amp; Violence on Stage</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 3905</td>
<td>Directed Independent Study</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 4050L</td>
<td>Theatre Participation-Management II</td>
<td></td>
<td>1 hr</td>
</tr>
<tr>
<td>THE 4212</td>
<td>Global Theatre</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4284</td>
<td>Period Costume, Architecture, and Decor I</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>THE 4285</td>
<td>Period Costume, Architecture, and Decor II</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs
THE 4423
Women in Theatre
THE 4543
Theatre for Social Change
1 THE 4912
Directed Independent Research
THE 5307
Contemporary Theatre Practice
TPA 2248C
Makeup Techniques
TPA 2600
Stage Management Basics
TPA 3040C
Costume Design for Theatre I
TPA 3060C
Scenic Design for Theatre I
TPA 3077C
Scene Painting
TPA 3195L
Summer Theatre Studio/Tech/Design I
TPA 3197L
Summer Theatre Studio/Tech/Design II
TPA 3221C
Lighting Design for Theatre I
TPA 3260C
Sound Design for Theatre I
TPA 3383C
Topics in Technical Theatre
TPA 3601
Stage Management
TPA 4041C
Costume Design for Theatre II
TPA 4061C
Scenic Design for Theatre II
TPA 4224C
Lighting Design for Theatre II
TPA 4264C
Sound Design for Theatre II
TPA 4293L
Theatre Participation-Production II
TPA 4384C
Advanced Topics in Technical Theatre
TPA 4400
Theatre Management
TPP 3197L
Summer Theatre/Performance
TPP 3952L
Summer Studio Performance
TPP 4143C
Acting Styles
TPP 4193L
Theatre Participation-Performance II
TPP 4243C
Circus Arts
1 TPP 4311C
Advanced Directing for Theatre
Honors in the Major Directed Readings and Thesis
1

3 hrs
3 hrs
1 hr
3 hrs
2 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
2 hrs
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
1 hr
3 hrs
3 hrs
3 hrs
3 hrs
3 hrs
1 hr
2 hrs
3 hrs
3 hrs

Other THE, TPA, TPP, DAA, or DAN courses taught by and approved by
the department Undergraduate Coordinator in advance. Courses with these
prefixes not taught by the Department of Theatre cannot be used in this
program.

Design Electives
(for Design and Technology Specialization)
Select three
TPA 3040C
Costume Design for Theatre I
TPA 3060C
Scenic Design for Theatre I
TPA 3221C
Lighting Design for Theatre I
TPA 3260C
Sound Design for Theatre I

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in
residency at UCF
A maximum of 45 hours of extension, correspondence,
CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon
Rule, the CLAS and nine hours of Summer credit (if applicable)
Total Semester Hours Required
129
Honors In Major
None
Related Programs
Art
Film
Music
Theatre Studies
Certificates
None
Related Minors
Art - Studio
Dance
Film - Cinema Studies
Music
Theatre
Advising Notes
None

3 hrs
3 hrs
3 hrs
3 hrs

6. Capstone Requirements
None
7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one
year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
None
8. Electives
(variable)
9. Additional Requirements
None
10. Required Minors
None
11. Departmental Exit Requirements
Earn a grade of “C” (2.0) or better in each Theatre course
Maintain a “B” Theatre GPA (3.0) or better
Complete an Exit Survey, Exit Interview and Audit Check
the semester prior to final semester of theatre classes.
Complete 93 theatre credits in addition to the GEP for a
total of 129. Courses that count in the GEP cannot also count
towards total theatre credits.
Minimum of 60 theatre credits must be completed in residency at UCF
Computer Competency met by STA 1060C, TPA 4250C, or
a computer science course.

UNIVERSITY OF CENTRAL FLORIDA

Transfer Notes
Courses taken at community colleges may substitute for
select Upper Division courses with permission of the department, although they will not count as Upper Division credits.
University minimum Upper Division credit requirement must still
be met.
Transfer students will be required to meet the departmental
theatre participation requirement through participation on UCF
productions.
Courses transferred from private and out-of-state schools
must be evaluated for equivalency credit. The student must provide all supporting information.
Acceptable Substitutes for Transfer Courses
Acceptable Substitutes for common program prerequisites if
taken prior to transferring to UCF:
1 THE 2020
Survey of Theatre for Majors
3 hrs
may be substituted with:
THE 2304
Script Analysis
3 hrs
may be substituted with: THE 2303
TPA 2201
Technical Theatre Production
2 hrs
may be substituted with: TPA 2200
TPA 2210
Stagecraft I
3 hrs
may be substituted with: TPA 2201
TPP 3310C
Directing for Theatre I
3 hrs
may be substituted with: TPP 2300
1

may use any introductory course. However, THE 2020 is a prerequisite for
all Theatre courses and will still need to be taken.

Plan of Study
None
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning
outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm
Equipment Fees
Part-Time Student: $45 per term
Full-Time Student: $90 per term

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Undergraduate Catalog 2010-2011


The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre.

Because of its geographic location, UCF is a top choice for students interested in musical theatre. Walt Disney World, Universal Studios, and the budding expansion of the arts in Central Florida make it necessary for students to receive advanced studies in acting, musical theatre voice, and dance. Work within the BFA program requires energy and dedication; therefore, other part-time study or outside employment is generally impossible. BFA standards are high, both for admission and for continuation in the program. Production assignments are regulated to serve the artistic growth of students, coordinating production experience with classroom exploration.

Admission Requirements
- Entrance into most theatre classes is restricted to majors. Exceptions must be approved by the Undergraduate Coordinator.
- The departmental faculty evaluates students desiring to become majors via an interview and audition. For complete information, contact the Department of Theatre or visit the audition site online at http://www.theatre.ucf.edu.
- A candidate must present an audition consisting of one monologue and two musical selections. The entire audition should last no more than three minutes. An accompanist will be provided. Recorded accompaniment is not accepted. Candidates must also participate in a dance audition and complete a Music Skills Evaluation Survey. Visit http://www.theatre.ucf.edu for details.
- All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a "Provisional" basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program.
- Departmental Residency Requirement consists of 60 semester hours of courses taken from the UCF Theatre Department.
- Prior to graduation, all BFA Musical Theatre majors must participate in at least 4 productions in addition to their Technical Theatre Production Lab. At least one participation credit must be an acting role, one must be a run crew, and one must be a front of house position. The fourth assignment may be in any production area.
- All BFA Musical Theatre majors are required to audition for all Fall and Spring productions and must accept the roles assigned.
- Due to its conservatory nature, the BFA demands a closely integrated four-year curriculum. Although the program is not designed for transfer students, transfer students may audition and may be admitted, but they should consult with the Department Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they are participating. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- Students must follow the most recent department student handbooks which are available on the department web site at http://www.theatre.ucf.edu.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Courses designated 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - Required THE 2020 Survey of Theatre for Majors 3 hrs
   - Select one course from either list 3 hrs
     - Select one course from 1.B.1 list
     - Select one course from 1.B.2 list
   - C: Mathematical Foundations (6 hrs)
     - MGF 1106 Finite Mathematics 3 hrs
     - STA 100C Basic Statistics Using Microsoft Excel 3 hrs
   - 1 (May substitute a higher math)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

   1. THE 2020 Survey of Theatre for Majors
   1. THE 2090 Theatre Participation-Management I
   1. THE 2304 Script Analysis
   1. TPA 201 Technical Theatre Production
   1. TPP 2200 Technical Theatre Production Lab
   1. TPP 2290 Theatre Participation-Production I
   1. TPP 2110C Acting I - Introduction
   1. TPP 2170C Acting II - The Actor Prepares
   1. TPP 3130C Directing for Theatre I
   1. Theatre Elective (THE, TPP, TPA prefix)

   1. *See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (20 hrs)

   DAA 2200C Ballet I
   DAA 2201C Ballet II
   DAA 2520C Tap Dance I
   DAA 2570C Jazz Dance I
   DAA 2571C Jazz Dance II
   MUT 1122 Music Theory and Musicianship I
   MUT 1123 Music Theory and Musicianship II
   THE 2081C Introduction to UCF Theatre
   TPA 2248C Techniques

Select 1:
- (1 credit course, must be taken twice)

   THE 4093L Theatre Participation-Management II
   TPP 4295L Theatre Participation-Production II
   TPP 4193L Theatre Participation-Performance II

   1. **Other THE, TPA, TPP, DAA or DAN courses not already required and approved by the department require instructor and departmental approval.

4. Core Requirements: Advanced Level (50 hrs)

   THE 3311 Theatre History and Dramatic Literature I
   THE 3312 Theatre History and Dramatic Literature II
   THE 4244 Musical Theatre History I
   THE 4245 Musical Theatre History II
   THE 4954 Theatre Exit Critique
   TPP 3172C Acting III - Building the Character
   TPP 3250 Musical Theatre Acting I
   TPP 3252 Musical Theatre Acting II
   TPP 3257C Musical Theatre Voice I
   TPP 3258C Musical Theatre Voice II
   TPP 4140C Acting IV - Creating the Role
   TPP 4223C Theatre Careers for Performance
   TPP 4253C Musical Theatre Acting III
   TPP 4259C Musical Theatre Voice III
   1. TPP 4746C Musical Theatre Repertoire
   TPP 4923C Musical Theatre Voice IV
   TPP 4940L Theatre Internship

Select 1:
- (2 hrs)

   THE 4093L Theatre Participation-Management II or
   TPP 4295L Theatre Participation-Production II or
   TPP 4193L Theatre Participation-Performance II

   1. **2 hr class must be taken twice.

Movement Electives
- Any DAA or DAN courses not already required, taught by the department, and with departmental approval.

Select 1:
- (2 hrs)

   TPP 4512C Stage Combat or
   TPP 4531C Period Movement

5. Restricted Electives (1 hr)

   - Chosen from the following

   DAA 2100C Modern Dance I
   DAA 2101C Modern Dance II
   DAA 2280C World Dance
   DAA 2521C Tap Dance II
   DAA 3108C Modern Dance III
   DAA 3208C Ballet III
   DAA 3524C Tap Dance III
   DAA 3612 Dance Improvisation/Composition I
   DAA 3645 Choreography Practicum
   DAA 3684 Dance Performance
   DAA 3685 Dance Performance
   DAN 3134 Dance History I
   THE 2250 Sex, Drugs, & the Rock and Roll Musical
   THE 3313 Theatre History and Dramatic Literature III
   THE 3383 Taboo Theatre: Sex & Violence on Stage
   THE 4093L Theatre Participation-Management II
   THE 4212 Global Theatre
   THE 4230 Cultural Diversity in Theatre
   THE 4284 Period Costume, Architecture, and Decor I

6. Capstone Requirements
   - None

7. Foreign Language Requirements

   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - None

8. Electives
   - (variable)

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of "C" (2.0) or better in each Theatre course
    - Maintain a "B" Theatre GPA (3.0) or better
    - Complete an Exit Survey, Exit Interview, and Audit Check the semester prior to final semester of theatre classes
    - Minimum of 60 theatre credits must be completed in residency at UCF
    - Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
    - Computer Competency met by STA 1060C or a computer science course.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 129
The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.
Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance.

1 Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 THE 2020 Survey of Theatre for Majors 3 hrs
THE 2000L Theatre Participation-Management I 1 hr
THE 2304 Script Analysis 3 hrs
1 TPA 2201 Technical Theatre Production 2 hrs
TPA 2201L Technical Theatre Production Lab 1 hr
TPA 2290L Theatre Participation-Production I 1 hr
1 TPP 2101 Fundamentals of Acting 3 hrs
TPP 2700C Stage Speech/Voice 3 hrs
1 TPP 3310C Directing for Theatre I 3 hrs
Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (0 hrs)

None

4. Core Requirements: Advanced Level (10 hrs)

THE 4093L Theatre Participation-Management II or 1 hr
TPA 4293L Theatre Participation-Production II or 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr

5. Restricted Electives (16 hrs)

Select 16 hours from the following:

THE 4093L Theatre Participation-Management II or 1 hr
TPA 4293L Theatre Participation-Production II or 1 hr
TPP 4193L Theatre Participation-Performance II 1 hr

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

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.

Graduation

Minimum of 30 theatre credits must be completed in residency at UCF.

Computer Competency met by the following or Computer Science Course:

STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

10. Required Minors

Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes. University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. Students are free to pursue any minor open to them, but are encouraged to participate in the department’s Associated Minor program which provides additional career/advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

11. Departmental Exit Requirements

Earn a grade of “C” (2.0) or better in each Theatre course.

Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.

Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.

Minimum of 30 theatre credits must be completed in residency at UCF.

12. University Minimum Exit Requirements

A 2.0 UCF GPA

60 semester hours earned after CLEP awarded

48 semester hours of upper division credit completed

30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

Art
Film
Music
Theatre

Certificates

None
Related Minors
- Art - Studio
- Dance
- Film - Cinema Studies
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
1 THE 2020 Survey of Theatre for Majors 3 hrs
   may be substituted with:
   THE 2304 Script Analysis 3 hrs
   may be substituted with: THE 2300
   THE 2304 Script Analysis 3 hrs
   may be substituted with: THE 3305
   TPA 2201 Technical Theatre Production 2 hrs
   may be substituted with: TPA 2210
   TPA 2201 Technical Theatre Production 2 hrs
   may be substituted with: TPA 2200
   2 TPP 2101 Fundamentals of Acting 3 hrs
   may be substituted with:
   TPP 3310C Directing for Theatre I 3 hrs
   may be substituted with: TPP 2300

1 may use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
2 may use any introductory acting course

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/ail/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
MINORS AND CERTIFICATES

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the online “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

Minors

Accounting
Actuarial Science
Aerospace Studies
African American Studies
Aging Studies
American Studies
Anthropology
Anthropology in Multicultural Studies
Art - Studio
Art History
Asian Studies
Astronomy
Bioengineering
Biology
Business
Chemistry
Coaching
Cognitive Sciences
Communication Sciences and Disorders
Community Arts - PAVE
Computer Science
Criminal Justice
Dance
Digital Media
Early Childhood Development and Education
Economics
Education
Emergency Management and Homeland Security
Energy and Sustainability
Engineering Leadership
English - Creative Writing
English - Linguistics
English - Literature
English - Technical Communication
English - Writing
English Language Arts Education
Entrepreneurship
Environmental Studies
European Studies
Exceptional Education
Film - Cinema Studies
Finance
Fitness Training
French
German
Health Informatics and Information Management
Health Sciences
Health Services Administration
History
Hospitality Management
Humanities
Information Technology
Intelligent Robot Systems
Interdisciplinary Informatics Technology
International and Global Studies
International Business
International Engineering
Interpersonal/Organizational Communication
Italian
Judaic Studies
Latin American Area Studies
Leadership Studies
Legal Studies
Magazine Journalism
Marketing
Mass Communication
Mathematics
Mathematics Education
Medical Anthropology
Medieval and Renaissance Studies
Middle Eastern Studies
Military Science
Molecular Biology and Microbiology
Music
Nonprofit Management/American Humanics National Certification Program
North American Indian Studies
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
Religious Studies
Science Education
Secure Computing and Networks
Social Science Education
Social Sciences - Interdisciplinary
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Theatre
Urban and Regional Planning
Women’s Studies
World Comparative Studies

Certificates

Aging Studies Certificate
Behavioral Forensics Certificate
Children’s Services Certificate
Crime Analysis and Crime Mapping Certificate
Crime Scene Investigation Certificate
Criminal Profiling Certificate
Cultural Tourism Certificate
Diplomacy Certificate
Educational Studies Certificate
Finance: Banking Certificate
Finance: Corporate Finance Certificate
Finance: Investments Certificate
Judaic Studies Certificate
Language Development and Disorders Certificate
Leadership Studies Certificate
Marketing: e-Marketing Certificate
Marketing: Entertainment Marketing Certificate
Marketing: Healthcare Marketing Certificate
Marketing: Retailing Management Certificate
Marketing: Selling and Sales Management Certificate
Marketing: Services Marketing Certificate
Marketing: Sport Marketing Management Certificate
Music
Nonprofit Management/American Humanics National Certification Program
North American Indian Studies
Philosophy
Philosophy, Religion and Popular Culture
Physics
Political Science
Political Science/Prelaw
Psychology
Public Administration
Real Estate
Recreation
Religious Studies
Science Education
Secure Computing and Networks
Social Science Education
Social Sciences - Interdisciplinary
Sociology
Spanish
Sport Business Management
Statistics
Technical Education and Industry Training
Technological Entrepreneurship
Theatre
Urban and Regional Planning
Women’s Studies
World Comparative Studies

Real Estate: Real Estate Appraisal Certificate
Real Estate: Real Estate Brokerage Certificate
Security Management Certificate
Service-Learning Certificate
Substitute Teaching Certificate
Translation and Interpretation Certificate
Victim Advocacy Certificate
Women’s Studies Certificate

Additional UCF Programs

Study Abroad Programs:
Argentina
Australia
Austria
Brazil
Costa Rica
Croatia
Czech Republic
England
France
Germany
Honduras
Ireland
Italy
Japan
Jordan
Poland
Russia
Scotland
Spain
Sweden
Switzerland
The Netherlands
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration, Room: 437
http://web.bus.ucf.edu/academics/accounting/
Phone: 407-823-2871

For Business and Non-Business Majors.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs

Select 1:
- May not be counted as an elective if selected as a required course.
- ACG 3131 Financial Accounting Concepts and Analysis 3 hrs
- ACG 3361 Cost Accounting I 3 hrs

Restricted Electives
- (12 hrs)

Select 4:
- At least two courses must have either an ACG or TAX prefix.
- ACG 3131 Financial Accounting Concepts and Analysis or 3 hrs
- ACG 3141 Intermediate Financial Accounting II or 3 hrs
- ACG 3361 Cost Accounting I or 3 hrs
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations or 3 hrs
- ACG 4401C Accounting Information Systems or 3 hrs
- ACG 4651 Auditing or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 4453 Financial Models or 3 hrs
- ISM 3253 MIS Techniques or 4 hrs
- ISM 4212C Database Design and Implementation or 4 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics,
Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, nickerson@mail.ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
- Students need to complete the prerequisite courses.

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.
- Students are expected to have completed some of the following courses as part of their GEP requirement.
- Students need to complete the prerequisite courses.

Required Courses
- (25 hrs)
- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs

Restricted Electives
- (12 hrs)
- ACG 3131 Financial Accounting Concepts and Analysis or 3 hrs
- ACG 3141 Intermediate Financial Accounting II or 3 hrs
- ACG 3361 Cost Accounting I or 3 hrs
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations or 3 hrs
- ACG 4401C Accounting Information Systems or 3 hrs
- ACG 4651 Auditing or 3 hrs
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 4453 Financial Models or 3 hrs
- ISM 3253 MIS Techniques or 4 hrs
- ISM 4212C Database Design and Implementation or 4 hrs
- TAX 4001 Taxation of Business Entities and Transactions 3 hrs

Foreign Language Requirements
- No additional courses are required.

Total Semester Hours Required
- 25

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Any course substitutions must be approved by the program coordinator in advance of their being taken.
### Minor Admission Requirements

- None

### Other Requirements

- None

### Prerequisite Courses

- None

#### Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>AFA 3102</td>
<td>Black Perspectives: A Multidisciplinary Approach</td>
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<tr>
<td>AFA 3955</td>
<td>Study Abroad in Eastern Caribbean</td>
<td>6 hrs</td>
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<tr>
<td>AFA 4105</td>
<td>Documenting African American Heritage and Life</td>
<td>3 hrs</td>
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<tr>
<td>AFH 3100</td>
<td>African History to 1870</td>
<td>3 hrs</td>
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<td>AFH 3200</td>
<td>African History Since 1870</td>
<td>3 hrs</td>
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<tr>
<td>AFH 5806</td>
<td>The Historiography of Slavery in Africa</td>
<td>3 hrs</td>
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<tr>
<td>AMH 3403</td>
<td>History of the South Since 1865</td>
<td>3 hrs</td>
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<td>AMH 3572</td>
<td>Black American History II</td>
<td>3 hrs</td>
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<tr>
<td>AML 3614</td>
<td>Topics in African-American Literature</td>
<td>3 hrs</td>
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<td>Harlem, Haiti, and Havana</td>
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<td>ANT 3319</td>
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<td>ANT 3398</td>
<td>Black/Seminoles Relations</td>
<td>3 hrs</td>
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<td>ANT 4340</td>
<td>Caribbean Cultures</td>
<td>3 hrs</td>
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<td>ARH 3520</td>
<td>African Art</td>
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<td>FIL 3831</td>
<td>Black Cinema</td>
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<td>International Politics of Africa</td>
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<td>LAS 4023</td>
<td>African Caribbean Experience</td>
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<td>Caribbean Literature</td>
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<td>MUL 2016</td>
<td>Evolution of Jazz</td>
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<tr>
<td>POS 4622</td>
<td>Politics and Civil Rights</td>
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<td>PUP 3314</td>
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<td>SOP 3724</td>
<td>Psychology of Prejudice</td>
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<tr>
<td>SYD 3700</td>
<td>Race and Ethnicity</td>
<td>3 hrs</td>
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</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) in lower level courses 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, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

### African American Studies - Minor

#### College of Arts and Humanities

#### Program in African American Studies, Colbourn Hall, Room: 411

http://www.aas.cah.ucf.edu/

JoAnne Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

#### Minor Admission Requirements

- None

#### Other Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

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<thead>
<tr>
<th>Course</th>
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<td>AFA 3104</td>
<td>The Black Intellectual Experience</td>
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<tr>
<td>AMH 3571</td>
<td>Black American History I</td>
<td>3 hrs</td>
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### Restricted Electives

- Additional courses may be used only with the prior permission of the program Director.

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<td>AFA 2300</td>
<td>African American Music</td>
<td>3 hrs</td>
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<tr>
<td>AFA 3102</td>
<td>Black Perspectives: A Multidisciplinary Approach</td>
<td>3 hrs</td>
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<td>Study Abroad in Eastern Caribbean</td>
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<td>Politics and Civil Rights</td>
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<td>PUP 3314</td>
<td>Minorities in American Politics</td>
<td>3 hrs</td>
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<td>SOP 3724</td>
<td>Psychology of Prejudice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>Race and Ethnicity</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) in lower level courses 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, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

### Aging Studies - Minor

#### College of Health and Public Affairs

#### School of Social Work, Health and Public Affairs, Room: 204

E-mail: socialwk@mail.ucf.edu

BSW Coordinator

Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The minor may be completed as a fully web-based program.
Other Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- Select One:
  - HSA 4941 Internship 3 hrs
  - PSY 3951 Undergraduate Field Work 3 hrs
  - SOW 4510 Field Education 9 hrs
  - SOW 4941 Internship 9 hrs
  - SYP 4941 Internship 3 hrs

Restricted Electives
- Students select FOUR additional courses from the following courses: A maximum of TWO courses in their College must be taken and at least TWO courses must be outside their college.

College of Health and Public Affairs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 3740 Social Work Practice with Loss & Life’s Transitions 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs

Other Colleges
- DEP 3464 Psychology of Aging 3 hrs
- GEY 5007 Women and Healthy Aging 3 hrs
- SYP 4730 Patterns of Aging in Society 3 hrs
- SYP 4732 Minority Aging 3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the program.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may not be used toward the minor.

American Studies - Minor
College of Arts and Humanities
CAH Dean’s Office, Room: 190
http://www.cah.ucf.edu
Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2251
Phone: 407-823-2251

Minor Admission Requirements
- None

Other Requirements
- None
Minors

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)
- ANT 2000 General Anthropology

Restricted Electives (15 hrs)

A. Concentration in General Anthropology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture
- ANT 2410 Cultural Anthropology
- ANT 2511 The Human Species

Select 2:
- Select two upper level (3000-5000) courses in Anthropology

B. Concentration in Archaeology (15 hrs)
- ANT 2140 Archaeology and the Rise of Human Culture

Select 4:
- ANG 5166 Problems in Maya Studies
- ANG 5167 Maya Hieroglyphs
- ANG 5228 Maya Iconography
- ANG 5822 Maya Field Research
- ANT 3106 Archaeology and Popular Culture
- ANT 3115 Archaeological Method and Theory
- ANT 3142 Old World Prehistory
- ANT 3145 Archaeology of Complex Societies
- ANT 3148 Life and Death in Ancient Egypt
- ANT 3152 Indians of the Southwest
- ANT 3158 Florida Archaeology
- ANT 3160 Americas Before Columbus
- ANT 3161 Archaeology of Mexico
- ANT 3163 Mesoamerican Archaeology
- ANT 3165 Ancient Incas
- ANT 3166 Archaeology of South America
- ANT 3168 Maya Archaeology
- ANT 3173 Archaeology of Sex
- ANT 3177 Archaeology of Caribbean Piracy
- ANT 4144 Prehistory of North America
- ANT 4153 North American Archaeology
- ANT 4180C Seminar in Laboratory Analysis
- 1 ANT 4183 Archaeological Sciences
- 1 ANT 4184 Mortuary Archaeology
- ANT 4824 Advanced Archaeological Fieldwork

1 or its graduate equivalent.

C. Concentration in Physical Anthropology (15 hrs)
- ANT 2511 The Human Species

Select 4:
- ANG 5742 Problems in Forensic Anthropology
- ANT 3541 Biobehavioral Anthropology
- ANT 3550 Primatology
- 1 ANT 4184 Mortuary Archaeology
- ANT 4462 Medical Anthropology
- 1 ANT 4467 Nutritional Anthropology
- ANT 4516 Human Biological Diversity
- ANT 4521C Forensic Anthropology
- ANT 4525C Human Osteology
- ANT 4528C Advanced Forensic Anthropology
- ANT 4586 Human Origins

1 or its graduate equivalent.

D. Concentration in Cultural Anthropology (15 hrs)
- ANT 2410 Cultural Anthropology

Select 4:
- ANG 5167 Maya Hieroglyphs
- ANG 5228 Maya Iconography
- ANG 5622 Language, Culture and Pedagogy
- ANT 3152 Indians of the Southwest

1 or its graduate equivalent.

ANT 3154 Ancient Incas or
ANT 3212 Peoples of the World or
ANT 3241 Magic, Ritual, and Belief or
ANT 3245 Native American Religions or
ANT 3262 Rural Society or
ANT 3273 Law and Culture or
ANT 3302 Sex, Gender and Culture or
ANT 3311 Indians of the Southeastern United States or
ANT 3312 Ethnology of North American Indians or
ANT 3313 Indians of North America High Plains or
ANT 3314 Indians of the Northeast Woodlands or
ANT 3318 Indians of the Northwest Coast or
ANT 3319 Anthropology of Diaspora or
ANT 3353 Anthropology of Japan or
ANT 3398 Black/Seminoles Relations or
1 ANT 3610 Language and Culture or
ANT 3701 Applied Anthropology or
ANT 4034 History of Anthropological Thought or
ANT 4266 Economic Anthropology: Production, Consumption, and Exchange or
1 ANT 4303 Anthropology of Tourism or
ANT 4308 Gender Issues in Latin America or
1 ANT 4332 People and Cultures of Latin America or
1 ANT 4340 Caribbean Cultures or
ANT 4352 African Societies and Cultures or
ANT 4354 Postcolonial Africa or
ANT 4408 Culture, Disease, and Healing or
1 ANT 4702 Culture, Power and Development or
ANT 4802 Ethnographic Field Methods

1 or its graduate equivalent.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Anthropology in Multicultural Studies - Minor

College of Sciences

Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

This minor develops a student’s understanding of the recent dilemmas of Hispanic, Native American, and Pacific Rim cultures, sex, and gender controversies in societies, and the theoretical and practical issues of modern applied anthropology. The minor is especially appropriate for students majoring in political science, international business, or for any student seeking an enhanced understanding of contemporary cultural relations.

Minor Admission Requirements
- None

Other Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.
### Minors

#### Anthropology - Minor

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses (3 hrs)**
- Select 1: 3 hrs
  - ANT 2000  General Anthropology or ANT 2410  Cultural Anthropology  3 hrs

**Restricted Electives (15 hrs)**
- Select five of the following. Substitutions require prior consent of the Anthropology Coordinator.
  - ANT 3164  Ancient Incas  3 hrs
  - ANT 3212  Peoples of the World  3 hrs
  - ANT 3241  Magic, Ritual, and Belief  3 hrs
  - ANT 3319  Anthropology of Diaspora  3 hrs
  - ANT 3398  Black/Seminole Relations  3 hrs
  - ANT 3541  Biobehavioral Anthropology  3 hrs
  - ANT 3610  Language and Culture  3 hrs
  - ANT 3701  Applied Anthropology  3 hrs
  - ANT 4266  Economic Anthropology: Production, Consumption, and Exchange  3 hrs
  - ANT 4303  Anthropology of Tourism  3 hrs
  - ANT 4308  Gender Issues in Latin America  3 hrs
  - ANT 4332  People and Cultures of Latin America  3 hrs
  - ANT 4340  Caribbean Cultures  3 hrs
  - ANT 4408  Culture, Disease, and Healing  3 hrs
  - ANT 4467  Nutritional Anthropology  3 hrs
  - ANT 4516  Human Biological Diversity  3 hrs
  - ANT 4702  Culture, Power and Development  3 hrs
  - SYD 3700  Race and Ethnicity  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.
- Not open to Anthropology majors.

#### Art - Studio - Minor

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

**http://www.svad.ucf.edu/**

Ms. Donna Mercado, 407-823-1708

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (18 hrs)**
- 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

**Art History - Minor**

**College of Arts and Humanities**

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

**http://www.svad.ucf.edu/**

Ms. Donna Mercado, 407-823-1708

The School of Visual Arts and Design affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses (18 hrs)**
- ARH 2050  History of Western Art I  3 hrs
- ARH 2051  History of Western Art II  3 hrs
- ARH 4310  Italian Renaissance Art  3 hrs
- ARH 4430  19th Century Art  3 hrs
- ARH 4450  20th Century Art  3 hrs

**Non-Western Course Requirement**
- Select 1: 3 hrs
  - ARH 3520  African Art
  - ARH 4540  Art of India
  - ARH 4653  Meso American Art

**Restricted Electives (9 hrs)**
- ARH 4200  Medieval Art  3 hrs
- ARH 4350  Baroque Art  3 hrs
- ARH 4800  Theory and Criticism of the Visual Arts  3 hrs
- ARH 4871  Women in Art  3 hrs

**6 Hours of electives**
- Two additional ARH 3XXX-4XXX courses

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 27
### Minors

#### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in a single area of specialization in the School of Visual Arts and Design.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

#### Asian Studies - Minor
**College of Arts and Humanities**
**College of Arts and Humanities**
Dr. Paul Giordano, 407-823-2472

An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
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<th>Course</th>
<th>Hours</th>
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<td>HUM 3401 Asian Humanities</td>
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**Restricted Electives**

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<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved courses (see department for listing)</td>
<td></td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 20

#### Bioengineering - Minor
**College of Engineering and Computer Science**
**Engineering, Room: 107**
[http://www.cecs.ucf.edu/minors/bioengineering](http://www.cecs.ucf.edu/minors/bioengineering)
Dr. Alain Kassab, Engineering Track, kassab@mail.ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Professional Advisement or the Pre-Health Professions Advisement office. The minor constitutes up to: (a) for the engineering track 21 hours of coursework over the requirements for a bachelor of science degree in an engineering discipline at UCF, and (b) a minimum 17 hours of coursework over the requirements for a bachelors of science degree in computer science at UCF.

**Minor Admission Requirements**
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school un-weighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@mail.ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

**Other Requirements**
- None

#### Astronomy - Minor
**College of Sciences**
**Department of Physics, Math and Physics, Room: 310**
[Email: physics@ucf.edu](mailto:physics@ucf.edu)
Dr. Humberto Campins Phone: 407-823-2325

**Minor Admission Requirements**
- The minor is not open to Physics majors with an Astronomy specialization.

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://biology.cos.ucf.edu/
E-mail: biology@ucf.edu
Mr. Frank Logiudice
Phone: 407-823-2141

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (31 hrs)
- BSC 2010C  Biology I  4 hrs
- BSC 2011C  Biology II  4 hrs
- CHM 2045C  Chemistry Fundamentals I  4 hrs
- CHM 2046  Chemistry Fundamentals II  3 hrs
- PCB 3023  Molecular Cell Biology  3 hrs
- PCB 3044  Principles of Ecology  3 hrs
- PCB 3063  Genetics  3 hrs
- PCB 4683  Evolutionary Biology  4 hrs
- Select one of the following sequences of courses:
  - CHM 2045C  Chemistry Fundamentals I  4 hrs
  - CHM 2040C  Chemistry Fundamentals IA and 3 hrs
  - CHM 2041C  Chemistry Fundamentals IB  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 31

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.

Business - Minor
College of Business Administration
Department of Management, Business Administration II, Room: 101
Undergraduate Student Services, 407-823-2184
Minor for Non-Business Majors

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None
Minors

Chemistry - Minor

College of Sciences
Department of Chemistry, Chemistry, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Dr. Pedro Patino, ppatino@mail.ucf.edu

Minor Admission Requirements
- The minor is not open to Chemistry majors.

Required Courses
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least twelve hours used in the minor must be earned at UCF within the College of Business.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- 30 of the last 39 hours of course work must be completed in residence at UCF.

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
CHM 2046L  Chemistry Fundamentals Laboratory  1 hr
CHM 2211  Organic Chemistry I  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs
CHM 3120  Analytical Chemistry  3 hrs
CHM 3120L  Analytical Chemistry Laboratory  1 hr

NOTE: These courses are considered to be equivalents:

- CHM 2045C  Chemistry Fundamentals I  4 hrs
- or - Students with little chemistry background should take this year long equivalent instead.
  - CHM 2040C  Chemistry Fundamentals IA and  3 hrs
  - CHM 2041C  Chemistry Fundamentals IB  3 hrs

Restricted Electives (8 hrs)
- At least one course must be selected from group I and the remaining from group I and/or II

Group I: Select at least one course

- BCH 4103L  Biochemical Methods  2 hrs
- CHM 3212L  Organic Laboratory Techniques II  2 hrs
- CHM 3411L  Physical Chemistry Laboratory  2 hrs
- CHM 4130  Advanced Analytical Laboratory Technique  3 hrs
- CHM 5451C  Techniques in Polymer Science  3 hrs
- CHS 3530C  Forensic Analysis of Controlled Substances  4 hrs

Group II:

- BCH 4053  Biochemistry I  3 hrs
- BCH 4054  Biochemistry II  3 hrs
- CHM 3410  Physical Chemistry I  3 hrs
- CHM 3411L  Physical Chemistry Laboratory  3 hrs
- CHM 3422  Applied Physical Chemistry  3 hrs
- CHM 4220  Organic Chemistry III  3 hrs
- CHM 5225  Advanced Organic Chemistry  3 hrs
- CHM 5235  Applied Molecular Spectroscopy  3 hrs
- CHM 5450  Polymer Chemistry  3 hrs
- CHS 4200  Concepts in Industrial Chemistry  3 hrs
- CHS 4615  Environmental Chemistry  3 hrs

Foreign Language Requirements
- None

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.

Coaching - Minor

College of Education
Department of Child, Family and Community Sciences,
Education Building, Room: 209
Debby Mitchell, ED 320H, mitchell@mail.ucf.edu
Phone: 407-823-6598

The coaching minor is designed to provide a limited, but substantive experience in the field of coaching. The state of Florida requires a coaching endorsement, which includes nine hours (Human Injuries, Coaching Theory, and a Coaching Specialization course), for all persons certified to teach. This minor is appropriate for those students who plan to coach and/or are seeking a career in the fields of Physical Education and sport. The following courses will give the student a coaching endorsement as well as strengthen the marketability of the student’s major program. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
- None

Required Courses
- None

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.

Prerequisite Courses
- None

Restricted Electives (15 hrs)

Group 1: Select 1

- PET 2622C  Human Injuries  3 hrs
- PET 3765  Coaching Theory  3 hrs
- PET 4215  Motivational Aspects of Athletic Performance  3 hrs
- PET 4763  Coaching Methods And Principles  3 hrs
- SPM 3204  Sports and Ethics  3 hrs

Select 1:  3 hrs

- PEO 2624  Coaching Basketball or  3 hrs
- PEO 3324  Coaching Volleyball or  3 hrs
- PEO 3644  Coaching Football  3 hrs

1 If the student has completed this course at a community college, it can be transferred into the program.
Cognitive Sciences - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 407-823-2273

The cognitive sciences minor provides an interdisciplinary approach to the study of mind, brain, and cognition, broadly construed. It complements the background of students intending to pursue graduate degrees in cognitive science, computer science, philosophy, psychology, biology, neuroscience, and medicine, as well as students with more immediate career goals in fields such as neural network modeling, neuroimaging, information technology, clinical or counseling psychology, biotechnology, and others.

Minor Admission Requirements
■ None

Other Requirements
■ An overall GPA of 2.0 is required to satisfy the minor.
■ No grades below “C-” (1.75) and no “S” grades will be accepted.
■ At least 12 hours used in the minor must be earned at UCF.
■ No TSD or Military credit may be used.
■ Internship of Independent Study credit cannot be used towards the minor.

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Required Courses

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<tr>
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<tr>
<td>PSB 4240C</td>
<td>Neurophysiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PSB 4422</td>
<td>Brainwaves and Behavior</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ZOO 3744</td>
<td>Neurobiology</td>
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Philosophy

<table>
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<td>PHI 3320</td>
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<tr>
<td>PHI 3323</td>
<td>Minds and Machines: Philosophy of Cognitive Science</td>
<td>3 hrs</td>
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<tr>
<td>PHI 3451</td>
<td>Philosophy of Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>Ways of Knowing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>Philosophy of Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4935</td>
<td>Topics in Philosophy of Mind</td>
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Psychology

<table>
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<tr>
<td>EXP 3204C</td>
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<tr>
<td>EXP 3604</td>
<td>Cognitive Psychology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EXP 4507C</td>
<td>Advanced Human Memory and Cognition</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ 18 hours must be taken at the upper division.
■ No more than 12 credit hours may be used both toward credit for a major and the cognitive sciences minor.
■ At least 15 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study require prior approval from the advisors to be used toward the minor.

Communication Sciences and Disorders - Minor
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs, Room: 101
http://www.cohpa.ucf.edu/comdis/
E-mail: advising@mail.ucf.edu

Licensed Speech-Language Pathology and Audiology Assistant:
This state license may be obtained by completing the minor plus one additional course in the disorders area as recommended by the academic advisor.
Minors

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (24 hrs)
- LIN 3716  Language Development  3 hrs
- LIN 3716L  Language Development Lab  2 hrs
- SPA 3101  Physiological Bases of Speech and Hearing  3 hrs
- SPA 3112  Basic Phonetics  3 hrs
- SPA 3112L  Basic Phonetics Lab  1 hr
- SPA 3471  Communication Disorders in Literature and Media  3 hrs
- SPA 4032  Audiology  3 hrs
- SPA 4400  Language Disorders Across the Life Span  3 hrs
- SPA 4476  Speech Disorders Across the Lifespan  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Computer Science - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-2787

Minor Admission Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- CDA 3103  Computer Logic and Organization  3 hrs
- COP 3223  Introduction to Programming with C  3 hrs
- COP 3330  Object Oriented Programming  3 hrs
- COP 3502C  Computer Science I  3 hrs
- COP 3503C  Computer Science II  4 hrs

Select 1: 3 hrs
- COT 3100C  Introduction to Discrete Structures  3 hrs
- MAD 2104  Foundations of Discrete Math  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Criminal Justice - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep, 407-823-2603

Minor Admission Requirements
- None

Other Requirements
- None
Prerequisite Courses
- None

Required Courses
- CCJ 3014 Crime in America (3 hrs)
- CCJ 3024 Criminal System (3 hrs)
(6 hrs)

Restricted Electives
- Select 2: (12 hrs)
  - CJC 3010 Corrections and Penology or 3 hrs
  - CJE 4014 Police and Society or 3 hrs
  - CJL 3510 Prosecution and Adjudication 3 hrs
and
Six semester hours of Criminal Justice courses (selected with aid of an advisor) 6 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Students must earn an overall minimum of 2.0 GPA in the courses used to satisfy the minor.
- Grades less than "C-" (1.75) are not accepted
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Dance - Minor

College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.ucf.edu
Brian Vernon, bvernon@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- DAA 2200C Ballet I (2 hrs)
- DAA 2210C Ballet II (2 hrs)
- DAA 2393C World Dance (2 hrs)
- DAA 2520C Tap Dance I (2 hrs)
- DAA 2570C Jazz Dance I (2 hrs)
- DAA 2571C Jazz Dance II (2 hrs)
- DAA 3018C Modern Dance III (2 hrs)
- DAA 3208C Ballet III (2 hrs)
- DAA 3524C Tap Dance II (2 hrs)
- DAA 3645 Choreography Practicum (2 hrs)
- DAA 3684 Dance Performance (1 hr)
(11 hrs)

Restricted Electives
- DAA 2100C Modern Dance I (2 hrs)
- DAA 2393C World Dance (2 hrs)
- DAA 2570C Jazz Dance I (2 hrs)
- DAA 2571C Jazz Dance II (2 hrs)
- DAA 3018C Modern Dance III (2 hrs)
- DAA 3208C Ballet III (2 hrs)
- DAA 3524C Tap Dance II (2 hrs)
- DAA 3645 Choreography Practicum (2 hrs)
- DAA 3684 Dance Performance (1 hr)
- TPA 2290L Theatre Participation-Production I (1 hr)
(7 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.
- Student must consult dance advisor every semester.
- Students who do not consult with their dance advisor will be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor will lead to release from the program.
- At least 14 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study credit may be used in the minor only with prior written permission.
- Participation on a minimum of one departmental dance concert.
- A minimum of 3 different dance styles must be completed in the minor.

Digital Media - Minor

College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
Phone: 407-823-6100

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- COP 2500C Concepts in Computer Science (4 hrs)
- DIG 2000 Introduction to Digital Media (3 hrs)
- DIG 3138C Digital Imagery (3 hrs)
- DIG 3716C Internet Interaction (3 hrs)
(13 hrs)

Restricted Electives
- Select two courses: (6 hrs)
  - DIG 4243  Modeling for Realtime Systems II 3 hrs
  - DIG 4455  Interactive Performance II 3 hrs
  - DIG 4503  Rapid Application Web Development 3 hrs
  - DIG 4530C Media for e-Commerce 3 hrs
  - DIG 4630C Media Business Practices 3 hrs
  - DIG 4713C Game Design 3 hrs
  - DIG 4718C Game Production 3 hrs
  - DIG 4870C Modeling for Realtime Systems 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.
- 12 hours used in the minor must be taken at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.
Minors

Early Childhood Development and Education - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://education.ucf.edu/ece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
Phone: 407-823-4615

The Early Childhood Development and Education minor is intended to provide a limited, but substantive experience in the fields of development and early childhood education. The minor is intended for University students enrolled outside the Early Childhood Development and Education major and does not lead to teacher certification or admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career working with young children in the fields of early childhood education, social work, psychology or health services. This minor will strengthen the marketability of the student’s major program. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Completion of the CLAS requirement, not alternatives, or completion of an A.A. degree from a Florida public post-secondary institution, including completion of the CLAS requirement or alternatives.
- A minimum overall GPA of 2.75.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

Other Requirements
- A minimum GPA of 2.75 in all Early Childhood Development and Education courses.
- At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses (18 hrs)
- EEC 3700 Social and Emotional Development of Young Children 3 hrs
- EEC 4268 Curriculum Activities in Early Childhood 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
- EEC 4661 Early Childhood Education Theory and Practice 3 hrs
- EEX 3450 Young Children With Special Needs 3 hrs
- RED 3310 Early Reading, Writing and Language Arts 3 hrs

Restricted Electives (3 hrs)
- Choose one:
  - EEC 4302 Planning Creative Activities in Early Childhood Education 3 hrs
  - EXE 4751 Parent Involvement in Education 3 hrs
  - MAE 4300 Math Curriculum and Assessment in Early Childhood 3 hrs
  - RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment 3 hrs
  - SCE 4304 Teaching Science and Technology to Young Children 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- None

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Economics - Minor
College of Business Administration
Department of Economics, Business Administration II, Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA 302Q, mcaputo@bus.ucf.edu
David Scroggin, BA 302U, 407-823-4129
Dr. Nora Underwood, BA 302N, 407-823-1403
Phone: 407-823-3266

(for both Business Majors and non-Business Majors)

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- ECO 3101 Intermediate Microeconomics or 3 hrs
- ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives
- Upper Division Restricted Electives 9 hrs
  - Select from any ECO, ECP or ECS courses at the 3000 - 4000 level, excluding ECO 3401.
  - Note: ECO 3401 (or equivalents) is a pre-requisite for the following:
    - ECO 3101 Intermediate Microeconomics 3 hrs
    - ECO 3203 Intermediate Macroeconomics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Education - Minor
College of Education
Department of Educational Studies, Education Building, Room: 220B
http://education.ucf.edu/
Dr. William Wise, ED 220B, wwise@mail.ucf.edu
Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience
in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

**Minor Admission Requirements**
- None

**Other Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603</td>
<td>Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
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<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
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<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
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**Restricted Electives**

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<th>Hours</th>
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<tbody>
<tr>
<td>LAE 4342</td>
<td>Programs in Teaching Language and Composition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Survey of Adolescent Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4634</td>
<td>Programs in Teaching of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>Programs in Teaching Social Science</td>
<td>3 hrs</td>
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</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used. Transfer credits from other universities will be considered.

**NOTE:**
- Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.
- Students may enroll in the Education Minor or a Minor in a Content Area, but not both.

**Emergency Management and Homeland Security - Minor**

**College of Health and Public Affairs**
**Department of Public Administration, Health and Public Affairs II, Room: 238**
**E-mail: pa/ba/bs@mail.ucf.edu**
Dr. Naim Kapucu, 407-823-2604

The minor in emergency management and homeland security provides students with an opportunity to comprehensively study the disaster management cycle, including emergency planning, mitigation, response and recovery. In an age of dense population, increased terrorism, unpredictable weather and high public expecta-

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<tbody>
<tr>
<td>DSC 4012</td>
<td>Terrorism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>DSC 4013</td>
<td>Homeland Security and Criminal Justice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Minors

Required Courses (12 hrs)
- EGN 4824 Energy and Society 3 hrs
- IDS 3150 Foundations of Environmental Studies 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1: (3 hrs)
- GEI 4152 Technological Entrepreneurship or 3 hrs
- IDS 4949 Cooperative Education 0 hrs

Minor Admission Requirements
- Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.
- Only open to CECS undergraduate students
- A minimum GPA of 3.0 is required for acceptance into this minor degree program

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- EGN 3613 Engineering Economic Analysis 3 hrs
- EGN 4624 Engineering Administration 3 hrs
- EIN 3354 Principles of Cost Engineering 3 hrs
- EIN 4191C Engineering Leadership Seminar I 2 hrs
- EIN 4192C Engineering Leadership Seminar II 2 hrs
- Two Engineering Design courses 6 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) or better in all courses in the minor.
- A cumulative GPA of 2.5 is required to successfully complete the minor.

Engineering Leadership - Minor

College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu

Mr. Kevin Cooley
Phone: 407-823-2204

The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.
Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

Restricted Upper Division Electives--select three courses 9 hrs

- CRW 3311  Structure of Verse  3 hrs
- CRW 3950  Cypress Dome Editorship  3 hrs
- CRW 4014  The Writing Life  3 hrs
- CRW 4114  History of Prose Style  3 hrs
- CRW 4722  Editing for Creative Writers  3 hrs
- CRW 4724  The Florida Review  3 hrs
- CRW 6806C  Teaching Creative Writing  3 hrs
- ENC 3310  Magazine Writing I  3 hrs
- ENC 3311  Advanced Expository Writing  3 hrs
- Any other CRW elective or Special Topics course  3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Literature - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/

E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (3 hrs)

- ENG 3014  Theories and Techniques of Literature Study

Restricted Electives (18 hrs)

- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor.

Foreign Language Requirements

- None

Total Semester Hours Required

- 21

Other Requirements

- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF within the department, and must be regularly scheduled, upper level courses.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English - Technical Communication - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/

E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements

- None

Other Requirements

- None

Prerequisite Courses

- None

Required Courses (18 hrs)

- ENC 3241  Writing for the Technical Professional
- ENC 4215  Technical Publication and Project Management
- ENC 4218  The Visual in Technical Documentation
- ENC 4280  Technical Writing Style
- ENC 4293  Documentation and the Collaborative Process
- ENC 4294  Documentation and Client-Based Collaboration

Restricted Electives

- Students completing the minor may intern with a Central Florida corporation

Foreign Language Requirements

- None
Minors

English - Writing - Minor

College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. David Wallace, 407-823-2212

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Any 3000 or 4000 level ENC or CRW classes for which the student has met the prerequisites, including:
  - CRW 3013 Creative Writing for English Majors 3 hrs
  - CRW 3035 Theory & Practice of Creative Writing 3 hrs
  - CRW 3120 Fiction Writing Workshop 3 hrs
  - CRW 3211 Creative Nonfiction Writing 3 hrs
  - CRW 3310 Poetry Writing Workshop 3 hrs
  - CRW 3311 Structure of Verse 3 hrs
  - CRW 3610 Writing Scripts 3 hrs
  - CRW 4122 Advanced Fiction Writing Workshop 3 hrs
  - CRW 4123 Science Fiction Writing 3 hrs
  - CRW 4224 Advanced Nonfiction Workshop 3 hrs
  - CRW 4320 Advanced Poetry Writing Workshop 3 hrs
  - CRW 4616 Advanced Scriptwriting Workshop 3 hrs
  - ENC 3241 Writing for the Technical Professional 3 hrs
  - ENC 3250 Professional Writing 3 hrs
  - ENC 3310 Magazine Writing I 3 hrs
  - ENC 3311 Advanced Expository Writing 3 hrs

Please note that students will be allowed to take only two of the following courses: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, or CRW 4616

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Entrepreneurship: Business - Minor

College of Business Administration
Department of Management, Business Administration I, Room: 309
http://www.cei.ucf.edu
Dr. Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

Open to Business Students

Minor Admission Requirements
- None

Other Requirements
- None
Prerequisite Courses
- None

Required Courses (15 hrs)
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs
- MAN 3301 Management of Human Resources 3 hrs
- MAN 4802 Entrepreneurship 3 hrs

Select 1: 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- MAR 3641 Marketing Intelligence 3 hrs

Restricted Electives (3 hrs)
- Any 3000 or 4000 MAN course not in COB core or the following course: BUL 4540 Employment Law 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Entrepreneurship: For Non-Business Majors - Minor
College of Business Administration
Department of Management, Business Administration I, Room: 309
http://web.bus.ucf.edu/

Non-Business Majors

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses

Required Introductory Courses 11 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs

Select 1: 3 hrs
- GEB 3113 How to Start a Business or 3 hrs
- MAN 3301 Management of Human Resources 3 hrs

Required Entrepreneurship Courses 9 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4111 New Venture Finance 3 hrs

Select 1: 3 hrs
- MAN 4802 Entrepreneurship 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A maximum of 6 hours of required elective coursework can count toward another major or minor degree program.

Environmental Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Environmental Studies minor is an interdisciplinary program that prepares students for a diverse set of academic endeavors and careers. It delivers the tradition of a liberal arts education with the rigor of the natural and social sciences, providing the introspection and artistic presentation of the humanities with the inquisitiveness that we share concerning our environment.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- IDS 3150 Foundations of Environmental Studies 3 hrs

Restricted Electives (18 hrs)
- BOT 3152C Local Flora 3 hrs
- BOT 3002 Ethnobotany 3 hrs
- BOT 4156C Florida Wildflowers 4 hrs
- BOT 4303C Plant Kingdom 5 hrs
- BOT 4686C Conservation and Management of Native Plants 4 hrs
- BOT 4713C Plant Taxonomy 5 hrs
- BSC 4312C Marine Biology 4 hrs
- CHM 3120 Analytical Chemistry 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- ENV 4341 Solid & Hazardous Waste Management 4 hrs
- HSC 4500 Epidemiology 3 hrs
- OCE 3008 Oceanography 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- PCB 3044L Principles of Ecology Laboratory 1 hr
- PCB 3063 Genetics 3 hrs
- PCB 3304C River Ecology 4 hrs
- PCB 3314 Marine Bio Diversity 3 hrs
- PCB 3442 Florida Aquatic Ecology 4 hrs
- PCB 4302C Physicochemical Limnology 4 hrs
- PCB 4303C Biological Limnology 4 hrs
- PCB 4683 Evolutionary Biology 4 hrs
Minors

Social & Humanities Electives  9 hrs
ECO 4701  Seminar in Global Economic Policy  3 hrs
1 ECP 3302  Economics and the Environment  3 hrs
1 ECP 4309  Environmental and Natural Resource Economics  3 hrs
GEO 2370  Resources Geography  3 hrs
GIS 3043C  GIS for Environmental Studies  3 hrs
GIS 4035C  Remote Sensing of the Environment  3 hrs
GIS 4301C  Advanced GIS Applications in Environmental Studies  4 hrs
INR 4351  International Environmental Law  3 hrs
PAD 3330  Urban and Regional Planning  3 hrs
PAD 4351  Issues in Environmental Program Management  3 hrs
PHI 3033  Philosophy, Religion, and the Environment  3 hrs
PHI 3640  Environmental Ethics  3 hrs
PHI 4400  Philosophy of Science  3 hrs
PHI 4633  Ethics and Biological Science  3 hrs
PHM 4031  Environmental Philosophy  3 hrs
PLA 4554  Environmental Law  3 hrs
PUP 3203  Environmental Politics  3 hrs
PUP 4204  Sustainability  3 hrs
PUP 4503  Government and Science  3 hrs

1 Only one of these two courses may be used to fulfill these restricted electives.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of "C" or above (2.0) is required in each course used to satisfy the minor.
- 18 hours must be taken at the upper division.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study require prior approval from the Interdisciplinary Studies advisers to be used toward the minor.
- Internship, Independent study, and co-op credit cannot be used in this minor without prior approval from the Interdisciplinary Studies advisers.

European Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@mail.ucf.edu

Dr. Kerstin Hamann
Phone: 407-823-2608

An interdisciplinary minor that offers students a general background of the politics, history, literature, art, and culture of Europe with an emphasis on the post-World War II period. Courses are to be selected in consultation with a departmental advisor or the director of European Studies.

Minor Admission Requirements
- None

Other Requirements
- A grade of "C" (2.0) or better is required for all courses counting toward the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses
- Students must satisfy each course's prerequisites before enrolling in the class.

Required Courses (6 hrs)
CPO 4101  Politics of the European Union  3 hrs
LIT 3082  Continental European Fiction Since 1900  3 hrs

Restricted Electives (15 hrs)
- Any course substitutions are subject to prior approval by the director.

Literature, Film, and Culture:
- 3 hrs
- Note: Courses offered by the Modern Languages Department might be offered in a language other than English.

Select at least 3 credits from this grouping: 3 hrs
ENL 2022  English Literature II or
ENL 4101  English Novel or
ENL 4240  English Romantic Writers or
ENL 4262  Nineteenth Century British Prose or
ENL 4273  Modern British Literature or
FIL 3820  Italian Film or
FIL 3822  French Film or
FIL 3823  German Film or
FRE 4500  French Civilization and Culture or
FRW 4281  20th Century French Novels or
FRW 4324  20th Century French Drama or
FRW 4532  French Romanticism or
FRW 4552  Nineteenth Century French Literature or
GER 3102  Germany - Past to Present or
GER 4520  Modern Germany or
GEW 3101  Survey of German Literature II or
GEW 3370  Short Story or
GEW 3480  German Post-War Literature or
GEW 4482  German Children's Literature or
GEW 4531  The Age of Goethe and Schiller or
ITT 4956  Study Abroad: Modern and Contemporary Italian Culture or
ITW 3101  Survey of Italian Literature II or
JST 3751  Literature of the Holocaust or
LIT 4184  Irish Literature or
MUL 3604  German Song Literature or
MUL 3605  French Song Literature or
SPW 3101  Survey of Spanish Literature II or
SPW 3370  Spanish Short Story or
SPW 4272  20th Century Spanish Novel or
SPW 4322  Contemporary Iberian Theatre or
SPW 4450  Spanish Literary Theory or
SPW 4460  Nineteenth Century Spanish Literature or
SPW 4720  The Generation of 1898 or

History (6 hrs)
Select at least 6 credits from this grouping: 6 hrs
EUH 3235  Romanticism and Realism or
EUH 3242  Modern Europe and the First World War or
EUH 3281  Second World War and Rebirth of Europe or
EUH 3315  History of Modern Spain or
EUH 3411  Ancient Rome or
EUH 3431  History of Modern Italy or
EUH 3451  History of Modern France or
EUH 4284  Fascism and Nazism in the Interwar Europe or
EUH 4400  The History of Ancient Greece or
EUH 4465  Hitler's Third Reich or
EUH 4501  English History: 1485-1815 or
EUH 4502  British History: 1815-Present or
EUH 4574  History of Russia: 1801-1917 or
EUH 4576  History of Russia in the 20th Century or
EUH 4582  20th Century Russian Diplomatic History or
EUH 4610  Women in European Society: From Medieval to Modern or

UNIVERSITY OF CENTRAL FLORIDA
360  Undergraduate Catalog 2010-2011
EUH 4620  European Great Powers: 1815-1914 or 3 hrs
GER 4510  Life and Culture in Nazi Germany or 3 hrs
JST 3701  History of the Holocaust 3 hrs
Political Science or Economics 3 hrs
Select at least 3 credits from this group:
CPO 3104  Politics of Western Europe or 3 hrs
CPO 3614  Politics of Eastern Europe or 3 hrs
CPO 4074  Political Economy or 3 hrs
CPO 4123  Government and Politics of Great Britain or 3 hrs
CPO 4445  Comparative Political Parties or 3 hrs
CPO 4643  Government and Politics of Russia or 3 hrs
ECO 3703  International Microeconomics or 3 hrs
INR 4035  International Political Economy 3 hrs
Other 3 hrs
- may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:
Select at least 3 credits of courses from this grouping:
ARH 4430  19th Century Art or 3 hrs
ARH 4450  20th Century Art or 3 hrs
PHH 3510  Marx and Nietzsche or 3 hrs
PHP 3783  Modernity as a Philosophical Problem or 3 hrs
PHP 3786  Existentialism or 3 hrs
PHP 4782  Phenomenology 3 hrs
Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).
Total Semester Hours Required 21
Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.

Exceptional Education - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://www.education.ucf.edu
Linda Alexander, lalexand@mail.ucf.edu, 407-823-2598
Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification nor admission to the College of Education. The minor is appropriate for students who are seeking an enhanced understanding of education or are considering a career in the fields of education or exceptional education. This minor will strengthen the marketability of the student’s major program.

Minor Admission Requirements
- None
Other Requirements
- None
Prerequisite Courses
- None

Required Courses (12 hrs)
EEX 2090  Exceptional Populations in School and Society 3 hrs
EEX 4066  Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs
EEX 4601  Introduction to Behavior Management 3 hrs
EEX 4763  Technology for Classroom Teachers of Students with Special Needs 3 hrs

Restricted Electives (6 hrs)
- Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus

Elementary Restricted Electives
EEX 4760  Teaching Exceptional Students 3 hrs
Select 1:
- EEX 3221  Assessment of Exceptional Students or 3 hrs
- EEX 3241  Methods for Academic Skills for Exceptional Students 3 hrs

Secondary Restricted Electives
EEX 4252  Teaching Exceptional Students in Secondary Settings 3 hrs
Select 1:
- EEX 3221  Assessment of Exceptional Students or 3 hrs
- EEX 3243  Techniques for Exceptional Adolescents-Adults 3 hrs

Foreign Language Requirements
- None
Total Semester Hours Required 18

Other Requirements
- Sophomore standing or completion of an AA degree from a Florida public post secondary institution.
- A minimum GPA of 2.5 of all Gordon Rule classes including ENC 1101, 1102, and two college level math courses, MAC 1105 or higher, is required.
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- Note: Completion of the minor does not complete the requirements for certification in Exceptional Education nor does it constitute admission in the College of Education.

Film - Cinema Studies - Minor
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu/
E-mail: film@mail.ucf.edu
Mr. S. Schlow, 407-823-2645
Phone: 407-823-4285

Minor Admission Requirements
- Completion of a Minor Declaration form
Other Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
FIL 2030  History of Motion Pictures 3 hrs
FIL 2423  Foundations of Production 3 hrs
FIL 3006  Art of the Cinema 3 hrs
Select 1:
- FIL 1000  Cinema Survey or 3 hrs
- FIL 1007  Foundations of Story 3 hrs
Minors

Restrict Electives *(6 hrs)*
- **Choose Two**
  - FIL 3051  Avant-Garde Cinema 3 hrs
  - FIL 3303C  Film Documentary 3 hrs
  - FIL 3820  Italian Film 3 hrs
  - FIL 3822  French Film 3 hrs
  - FIL 3823  German Film 3 hrs
  - FIL 3824  Italian Neo-Realist Cinema 3 hrs
  - FIL 3826  American Cinema 3 hrs
  - FIL 3831  Black Cinema 3 hrs
  - FIL 3841  French New Wave Cinema 3 hrs
  - FIL 3845  World Cinema Traditions 3 hrs
  - FIL 3847  Latin American Cinema 3 hrs
  - FIL 3871  The American Film Artist 3 hrs
  - FIL 3890C  Images of Women in Film 3 hrs
  - FIL 4647  Film Production Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, Independent Study credit cannot be used toward the minor.

Finance - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409

Open to business and non-business students. Not available to finance majors.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses *(6 hrs)*
- ACG 2021  Principles of Financial Accounting 3 hrs
- ECO 2023  Principles of Microeconomics 3 hrs

Required Courses *(10 hrs)*
- FIN 2100  Personal Finance and Investments 3 hrs
- FIN 3303  Financial Markets 3 hrs
- FIN 3403C  Business Finance 4 hrs

Restricted Electives *(9 hrs)*
- **Select 3:**
  - FIN 3414  Intermediate Corporate Finance or 3 hrs
  - FIN 3461  Financial Statement Analysis or 3 hrs
  - FIN 3504  Investment Analysis or 3 hrs
  - FIN 4324  Commercial Bank Management or 3 hrs
  - FIN 4453  Financial Models or 3 hrs
  - FIN 4514  Portfolio Analysis and Management or 3 hrs
  - FIN 4533  Financial Derivatives or 3 hrs
  - FIN 4604  International Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Fitness Training - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
Anna Valdes, ED 320 H, asarmien@mail.ucf.edu
Phone: 352-536-2141

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals and/or groups. With the knowledge acquired from the completion of the required coursework for the Fitness Training Minor, students will be prepared and eligible to receive certification from The American Council on Exercise. This Minor is available for students in the 2001 Catalog Year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses *(12 hrs)*
- PET 4083  Personal Training Methods 3 hrs
- PET 4312  Biomechanics 3 hrs
- PET 4550  Fitness Assessment 3 hrs
- 2 ZOO 3736C  Exercise Physiology Anatomy 4 hrs

- *This course should be taken prior to PET 4312, PET 4550, and PET 4083.*

If the student has completed the Human Anatomy requirement at another school, it can be substituted with this course.

Restricted Electives *(6 hrs)*
- **Select 2:**
  - PET 3768  Group Exercise Instruction or 3 hrs
  - PET 3771  Strength and Conditioning Concepts or 3 hrs
  - PET 4215  Motivational Aspects of Athletic Performance or 3 hrs
  - PET 4351C  Applied Exercise and Human Physiology 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19
Other Requirements
- No grades below "C-" (1.75) and no "S" grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

German - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Health Informatics and Information Management - Minor
College of Health and Public Affairs
Department of Health Management and Informatics, Health and Public Affairs II, Room: 210
Alice Noblin, anoblin@mail.ucf.edu, 407-823-2353

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (20 hrs)
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 4226C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- A minimum overall GPA of 2.5 is required. A minimum grade of "C" (2.0) is required in each course for the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by examination (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.
Minors

Health Sciences - Minor
College of Health and Public Affairs
Department of Health Professions,
Health and Public Affairs II, Room: 212

L. Timothy Worrell, 407-823-2214

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
HSA 3111  U.S. Health Care Systems  3 hrs
HSC 3110  Medical Self Assessment  3 hrs
HUN 2002  Modern Concepts in Nutrition  3 hrs

Restricted Electives (9 hrs)
■ 9 additional hours of upper division courses in the Department of Health Professions or the Department of Health Management and Informatics.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Majors may not count courses presently required in a department program.
■ A minimum GPA of 2.5 is required in all coursework, and a minimum grade of "C" (2.0) is required in all Health Professions courses.
■ At least 15 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study credit cannot be used toward the minor.

Health Services Administration - Minor
College of Health and Public Affairs
Department of Health Management and Informatics,
Health and Public Affairs II, Room: 210

E-mail: hsainfo@mail.ucf.edu
Dr. Kendall Cortelyou-Ward, 407-823-2359

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)
HSA 3111  U.S. Health Care Systems  3 hrs
HSA 4180  Organization & Management for Health Agencies I  3 hrs
HSA 4191  Health Care Automation  3 hrs
HSC 4201  Community Health  3 hrs
HSC 4500  Epidemiology  3 hrs

Restricted Upper Division Electives (3 hrs)
■ Additional prerequisite courses may be required

Select 1:
HIM 4508C  Quality Management  3 hrs
HSA 4109  Principles of Managed Care  3 hrs
HSA 4702  Health Sciences Research Methods  3 hrs
HSC 4652  Health Law and Ethics  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A grade of "C-" (1.75) or better is required in all courses used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used without academic advisor’s approval.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.

Hospitality Management - Minor
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819

E-mail: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Minor Admission Requirements
■ None

Other Requirements
■ None
**Prerequisite Courses**
- None

**Required Courses**
- None

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<thead>
<tr>
<th>Take all of the following:</th>
<th>(18 hrs)</th>
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<tbody>
<tr>
<td>HFT 1000 Introduction to the Hospitality and Tourism Industry and</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3540 Guest Services Management I</td>
<td>3 hrs</td>
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<td><strong>Select 2:</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>HFT 2220 Hospitality Human Resources Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2401 Hospitality Industry Financial Accounting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2500 Hospitality and Tourism Marketing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3431 Hospitality Industry Managerial Accounting or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3444 Hospitality Information Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3603 Legal Environment in the Hospitality and Tourism Industry or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4286 Hospitality Communications or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4464 Hospitality Industry Finance</td>
<td>3 hrs</td>
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<td><strong>Select 2:</strong></td>
<td>6 hrs</td>
</tr>
<tr>
<td>FSS 2221C Techniques of Food Preparation or</td>
<td>4 hrs</td>
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<tr>
<td>HFT 2254 Lodging Operations or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 2750 The Event Industry or</td>
<td>3 hrs</td>
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<tr>
<td>HFT 3263 Restaurant Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3273 Principles of Resort Timesharing or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 3700 Tourism Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4277 Yacht, Country, And City Club Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HFT 4755 Theme Park and Attraction Management</td>
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</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

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**Humanities - Minor**

**College of Arts and Humanities**

**Department of Philosophy,**

**Psychology Building, Room: 220**

**http://www.philosophy.cah.ucf.edu**

**E-mail: philosophy@mail.ucf.edu**

Ms. Ann Maukonen, 407-823-2273

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

**Minor Admission Requirements**
- None

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**Prerequisite Courses**
- None

**Required Courses**
- None

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<thead>
<tr>
<th>Humanities Foundations</th>
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</tr>
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<tbody>
<tr>
<td>HUM 3252 Contemporary Humanities or</td>
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</tr>
<tr>
<td>HUM 3255 Modern Humanities or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3431 Ancient Humanities or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3435 Medieval Humanities</td>
<td>3 hrs</td>
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**Humanistic/Religious Traditions**
- 12 hrs

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<thead>
<tr>
<th>Select 2:</th>
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<tbody>
<tr>
<td>HUM 3552 Christian Thought or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3553 Moses, Jesus and Muhammad or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3401 The Jewish People I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHH 3701 Native American Philosophy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 2:</th>
<th>6 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3419 Islamic Thought and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3551 Christian Thought or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3553 Moses, Jesus and Muhammad or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3401 The Jewish People I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHH 3701 Native American Philosophy</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 21

**Other Requirements**
- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Minors

Information Technology - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, Markl@cs.ucf.edu

Minor Admission Requirements
- Not open to Information Technology majors.

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
(3 hrs)
- Option 1
  Select one of the following three options:
  - Not open to Computer Science Minors or Interdisciplinary Studies Majors
  - COP 2500C Concepts in Computer Science 4 hrs
  - Select 1:
    - CGS 1060C Introduction to Computer Science or 3 hrs
    - CGS 2100C Computer Fundamentals for Business 3 hrs
  - Option 2
    - Not open to Computer Science Minors or Interdisciplinary Studies Majors
    - COP 3223 Introduction to Programming with C 3 hrs
    - Select 1:
      - CGS 1060C Introduction to Computer Science or 3 hrs
      - CGS 2100C Computer Fundamentals for Business 3 hrs
  - Option 3
    - Computer Science Minors and Interdisciplinary Studies Majors Only
    - Select 1:
      - CGS 1060C Introduction to Computer Science or 3 hrs
      - CGS 2100C Computer Fundamentals for Business 3 hrs

Restricted Electives
(9 hrs)
- Select 1:
  - CGS 2545C Database Concepts or 3 hrs
  - CGS 285C Desktop/Internet Publishing or 3 hrs
  - CGS 3175 Internet Applications or 3 hrs
  - CGS 3269 Computer Architecture Concepts or 3 hrs
  - CGS 3763 Operating System Concepts or 3 hrs
  - CIS 3003 Fundamentals of Information Technology or 3 hrs
  - CNT 3004 Computer Network Concepts 3 hrs

College Electives
- Options 1 and 2
  - Select 1:
    - CGS 1060C Introduction to Computer Science or 3 hrs
    - CGS 2100C Computer Fundamentals for Business 3 hrs
  - Select 2:
    - Not open to Computer Science Minors or Interdisciplinary Studies Majors
    - COP 2500C Concepts in Computer Science 4 hrs
    - Select 1:
      - CGS 1060C Introduction to Computer Science or 3 hrs
      - CGS 2100C Computer Fundamentals for Business 3 hrs
    - Option 3
      - Computer Science Minors and Interdisciplinary Studies Majors Only
      - Select 1:
        - CGS 1060C Introduction to Computer Science or 3 hrs
        - CGS 2100C Computer Fundamentals for Business 3 hrs

Any upper division courses offered within Computer Science at UCF or additional courses chosen from restricted electives (exclusive of independent studies, internships, and those courses listed under required courses.) See other requirements.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Not open to Information Technology majors.
- A minimum grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 9 hours used in the minor must be earned within the Computer Science program at UCF.
- No credit by exam (TSD, Military credit) may be used.

Intelligent Robotic Systems (IRS) - Interdisciplinary - Minor
College of Engineering and Computer Science
Engineering, Room: 307
http://www.cecs.ucf.edu
Mr. Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
(9 hrs)
- Select 1:
  - EGN 3060C Introduction to Robotics 3 hrs
  - EEL 3657 Linear Control Systems or 3 hrs
  - EGM 3211 Engineering Analysis-Dynamics or 3 hrs
  - EML 3262 Kinematics of Mechanisms or 3 hrs
  - EML 4312C Feedback Control 3 hrs

Restricted Electives
(9 hrs)
- Select 2:
  - CAP 4453 Robot Vision or 3 hrs
  - CAP 4630 Artificial Intelligence or 3 hrs
  - EEL 3657 Linear Control Systems or 3 hrs
  - EGM 3211 Engineering Analysis-Dynamics or 3 hrs
  - EML 3262 Kinematics of Mechanisms or 3 hrs
  - EML 4312C Feedback Control 3 hrs

Other Requirements
- None

Total Semester Hours Required
- 18

Foreign Language Requirements
- None

A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.
A high-level programming language class (like the following or it's equivalent) is required for the minor:
- COP 3223 Introduction to Programming with C 3 hrs
- EGN 3211 Engineering Analysis and Computation 3 hrs
- Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems:
  - EGN 4112C Interdisciplinary Design I 3 hrs
  - EGN 4113C Interdisciplinary Design II 3 hrs
Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 246
http://www.eecs.ucf.edu/I2Tech/
Dr. Mark Llewellyn, markl@cs.ucf.edu

Minor Admission Requirements
□ None

Other Requirements
□ None

Prerequisite Courses
□ None

Required Courses (18 hrs)
- Required Courses 6 hrs
  - CGS 3175 Internet Applications 3 hrs
- Select 1: 3 hrs
  - CGS 1060C Introduction to Computer Science or 3 hrs
  - CGS 2100C Computer Fundamentals for Business or 3 hrs
  - COP 3502C Computer Science I 3 hrs
- Healthcare Informatics Concentration 9 hrs
  - HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
  - HSA 4191 Health Care Automation 3 hrs
- Select 1: 3 hrs
  - CGS 4144 Introduction to Informatics or 3 hrs
  - CIS 3003 Fundamentals of Information Technology 3 hrs
- Technical Elective 3 hrs
  - Students should consult with the program coordinator for a list of the approved technical electives.

Restricted Electives
□ None

Foreign Language Requirements
□ None

Total Semester Hours Required
□ 18

Other Requirements
□ A minimum cumulative GPA of 2.5 is required in the minor/ certification.
□ Pre-requisites to the minor include basic computer skills.
□ No credit by exam (TSD, Military credit) may be used.

International and Global Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Waltraud Morales
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
□ Double major/dual degree policy in Political Science programs and minors:
□ 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
□ 2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Other Requirements
□ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
□ Grades below “C” (2.0) in lower level courses are not accepted in the minor.
□ At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
□ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- GEO 3471 World Political Geography 3 hrs
- IDS 4315 Global Perspectives 3 hrs

Restricted Electives (15 hrs)
- A. Restricted Political Science Electives: 6 hrs
  - Select courses from this grouping: 6 hrs
    - INR 4011 Politics of Globalization or 3 hrs
    - INR 4030 Diplomacy or 3 hrs
    - INR 4035 International Political Economy or 3 hrs
    - INR 4054 Global Politics of Energy or 3 hrs
    - INR 4074 Immigration Policy or 3 hrs
    - INR 4075 Human Rights Policy or 3 hrs
    - INR 4076 Global Drug Policy or 3 hrs
    - INR 4350 Global Environmental Politics or 3 hrs
    - INR 4502 International Organizations or 3 hrs
    - INR 4503 International Relations Theory or 3 hrs
    - INR 4714 Politics of International Trade Policy 3 hrs
- B. Restricted Area Studies Electives: 6 hrs
  - Select one course from this grouping: 3 hrs
    - THE 3312 Theatre History and Dramatic Literature II or 3 hrs
    - C. Restricted Electives: 3 hrs
      - Substitutions require prior approval by the program advisor.
  - Select one course from this grouping: 3 hrs
    - DSC 4012 Terrorism or 3 hrs
    - EHU 3651 War and Society or 3 hrs
    - MMC 4300 International Media or 3 hrs
    - SYP 4454 Global Inequality and Society or 3 hrs
    - THE 3312 Theatre History and Dramatic Literature II or 3 hrs
  - Three one credit Foreign Language across the Curriculum (FLAC) courses

Foreign Language Requirements
□ Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
International Engineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, gonzalez@mail.ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
■ Admission by interview with the Program Director

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (12 hrs)
- PIN 4604 International Financial Management 3 hrs
- MAN 4600 International Management 3 hrs
- MAR 4156 International Marketing 3 hrs

Select 1:
- ECO 3703 International Microeconomics or 3 hrs
- ECO 4713 International Macroeconomics 3 hrs

Restricted Electives (6 hrs)
- ECO 3703 International Microeconomics 3 hrs
- ECO 4701 Seminar in Global Economic Policy 3 hrs
- ECO 4713 International Macroeconomics 3 hrs
- ECS 4013 Development Economics 3 hrs
- GEO 3471 World Political Geography 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4224 Contemporary International Politics of Asia 3 hrs
- INR 4243 International Politics of Latin America 3 hrs
- INR 4401 International Law I 3 hrs
- MAR 4724 Strategic Foundations in Global E-Business 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18
Restricted Electives

None

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

A minimum cumulative GPA of 2.5 is required in the minor/certification.

Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Interpersonal/Organizational Communication - Minor

College of Sciences
Nicholson School of Communication,
Communication, Room: 143
http://communication.cos.ucf.edu

Ms. Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Not open to Ad/PR, Interpersonal/Organizational Communication, Journalism, or Radio/TV majors.

Minor Admission Requirements

None

Other Requirements

None

Prerequisite Courses

Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3011C</td>
<td>Communication and Human Relations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3120</td>
<td>Organizational Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3311</td>
<td>Communication Research Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3301</td>
<td>Interpersonal Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Restricted Electives (9 hrs)

Select from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 3013</td>
<td>Communication and the Family</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3110</td>
<td>Business and Professional Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 3406</td>
<td>Role of Motivation in Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4014</td>
<td>Gender Issues in Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4461</td>
<td>Intercultural Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>COM 4462</td>
<td>Conflict Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 3513</td>
<td>Argumentation and Debate</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 4331</td>
<td>Nonverbal Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 4426</td>
<td>Group Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 4540</td>
<td>Attitudes and Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements

None

Total Semester Hours Required

21

Other Requirements

A minimum average GPA of 2.0 is required in courses used to satisfy the minor.

Grades below “C” (2.0) in lower level courses are not accepted.

At least 15 hours used in the minor must be earned at UCF within the School of Communication

No credit by exam (TSI, Military credit) may be used.

Internship, Co-op, or Independent Study credit can be used toward the minor with prior approval.

Italian - Minor

College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements

None

Other Requirements

None

Prerequisite Courses

None

Required Courses

None

Restricted Electives (18 hrs)

Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.

A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.

Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements

None

Total Semester Hours Required

18
Minors

Other Requirements

A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
At least 15 hours used in the minor must be earned at UCF within the department.
No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Judaic Studies - Minor
College of Arts and Humanities
Program in Judaic Studies,
Colbourn Hall, Room: 415 E-J
http://www.judaicstudies.ca.ucf.edu/
E-mail: judaicst@mail.ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies and Women’s Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements

None

Other Requirements

None

Prerequisite Courses

None

Required Courses (8 hrs)

Required Courses (or proficiency) in Hebrew
HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs

Restricted Electives (18 hrs)

Jewish History
JST 3401 The Jewish People I 3 hrs
JST 3402 The Jewish People II 3 hrs
JST 3415 American Jewish History 3 hrs
JST 3481 20th Century Jewish History and Thought 3 hrs
JST 3550 Introduction of Modernism into Judaism 3 hrs
JST 3701 History of the Holocaust 3 hrs

Bible
JST 3120 Hebrew Scriptures 3 hrs
JST 3125 The Book of Job 3 hrs
JST 3126 Romantic Love in the Bible 3 hrs
JST 3144 Dead Sea Scrolls 3 hrs
JST 3190 The Biblical Prophets 3 hrs

Literature
JST 3100 The Hebrew Creative Mind 3 hrs
JST 3312 Identity and Genre 3 hrs
JST 3751 Literature of the Holocaust 3 hrs

Culture
JST 3450 Modern Jewish Experience 3 hrs
JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
JST 3820 Modern Hebrew Culture 3 hrs

Language
HBR 2200 Intermediate Modern Hebrew I 3 hrs
HBR 2201 Intermediate Modern Hebrew II 3 hrs
HBR 3250 Biblical Hebrew 3 hrs
HBR 3410 Conversational Israeli Hebrew 3 hrs

Jewish Civilization
JST 3005 Tenets of Judaism 3 hrs
JST 3121 Classic Texts of Judaism 3 hrs
JST 3210 Kabbalah: Jewish Mysticism 3 hrs
JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Other Requirements, including special topics, with the approval of the Director

Foreign courses, including special topics, with the approval of the Director

Latin American Area Studies - Minor
College of Arts and Humanities
Colbourn Hall, Room: 406E & 406F
Dr. Jose Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173
Phone: 407-823-1174

The minor provides students with an interdisciplinary knowledge of, and the necessary tools to understand, Latin America, its people and its culture. Students completing the minor shall be prepared to apply their knowledge about Latin America in a variety of careers including, but not limited to: education, government, journalism, foreign service, social and community service, international trade and public relations.

Minor Admission Requirements

Admission by interview with the Program Director.

Other Requirements

Successful completion of the following courses, or demonstration of proficiency.
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Prerequisite Courses

None

Required Courses

None

Restricted Electives (18 hrs)

Anthropology
ANT 3154 Ancient Incas 3 hrs
ANT 3158 Maya Archaeology 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
ANT 4332 People and Cultures of Latin America 3 hrs
ANT 4340 Caribbean Cultures 3 hrs
### History
- ARH 3670 20th Century Latin American Art 3 hrs
- ARH 3673 Modern Art of Mexico 3 hrs
- ARH 4653 Meso American Art 3 hrs

### Modern Languages and Literature
- AML 3615 Harlem, Haiti, and Havana 3 hrs
- AML 4630 Latino/Latina Literature 3 hrs
- FRW 3752 French Caribbean Literature 3 hrs
- FRW 3770 Francophone Literature 3 hrs
- LIT 3192 Caribbean Literature 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- SPN 3852 Bilingualismo 3 hrs
- SPN 4780 Spanish Phonetics 3 hrs
- SPW 3130 Survey of Latin-American Literature I 3 hrs
- SPW 3131 Survey of Latin-American Literature II 3 hrs
- SPW 4382 Central American Literature 3 hrs
- SPW 4730 Hispanic Literature of the United States 3 hrs

### Latin American Studies
- LAS 4023 African Caribbean Experience 3 hrs
- LAS 4906 Directed Independent Study 1 hr

### Political Science
- CPO 4303 Comparative Latin American Politics 3 hrs
- CPO 5334 Contemporary Politics of the Mayan Region 3 hrs
- INR 4243 International Politics of Latin America 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

#### Office of Undergraduate Studies
#### Office of Interdisciplinary Studies,
#### Classroom I, Room: 302
#### http://www.is.ucf.edu
#### E-mail: is@mail.ucf.edu
#### Phone: 407-823-0144

The Leadership Studies (LS) minor is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The minor builds upon foundational courses with specific aspects of leadership involving communication, collaboration, social relations, politics, and ethics.

### Minor Admission Requirements
- None

### Other Requirements
- None

### Prerequisite Courses
- None

### Required Courses

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>(19 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation Requirement</td>
<td>4 hrs</td>
</tr>
<tr>
<td>LDR 2001 Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
<tr>
<td>1 LDR 2002 Intermediate Foundations of Leadership</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>

1. PR: LDR 2001

### Restricted Requirements

- Choose one course from each of the five areas:

### Communication
- 1 COM 3011C Communication and Human Relations or Organizational Communication or Intercultural Communication or Conflict Management or Professional Writing or Leadership Through Oral Communication 3 hrs

### Collaboration
- 1 INP 3004 Industrial/Organizational Psychology or Organizational Psychology or Management of Organizations or Organizations: Theory and Behavior or Group Dynamics 3 hrs

### Social Relations and Culture
- 1 ANR 3541 Biobehavioral Anthropology or Abnormal Psychology or Intercultural Communication or Motivation or Social Psychology or Cross Cultural Psychology or Psychology of Women or Psychology of Diversity 3 hrs

### Politics
- 10 PAD 3003 Public Administration in American Society or Administrative Theory or Non-Profit Organizations or Interdisciplinary Leadership in Public Affairs or The American Presidency or Political Psychology or Women and Political Behavior or Political Sociology 3 hrs

### Ethics
- 15 EDF 3601 Legal and Ethical Environment of Business or Ethics and Values in Public Administration or Critical Thinking or Environmental Ethics 3 hrs

- PR: or CR: COM 3311
- 2 PR: COM 3311
- 3 PR: Grade of C or better required in ENG 1102; junior standing; 12 upper division hours in the student’s major.
- 4 PR: or CR: COM 3120 and COM 3311 or CI
- 5 PR: or CR: COM 212 or CI
- 6 PR: or CR: COM 3120
- 7 PR: required for minor
- 8 PR: Management major, MAN 3025
- 9 PR: or CR: PSY 2012
- 10 PR: or CR: PSY 2041
- 11 PR: or CR: PSY 2041 or CI
- 12 PR: or CR: PSY 2041 or CI
- 13 PR: or CR: PSY 2041 or CI
- 14 PR: or CR: PSY 2041 or CI
- 15 PR: Junior standing or CI
- 16 PR: or CR: PSY 2041 or CI
- 17 PR: or CR: PSY 2041 or CI

### Restricted Electives
- None

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**UNIVERSITY OF CENTRAL FLORIDA**

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Minors

Total Semester Hours Required
- 19

Other Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy the minor.
- At least 15 credit hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students cannot complete both the Leadership Studies minor and the Leadership Studies certificate.

Legal Studies - Minor

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
David Slaughter, 407-823-2603

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
PLA 3014 Law and the Legal System 3 hrs

Restricted Electives (18 hrs)

Restricted Upper Division Electives 15 hrs
- 15 Semester hours of legal studies courses selected with the aid of an advisor

Restricted Electives 3 hrs
- 3 semester hours of law-related courses selected with the aid of an advisor

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in 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 School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
JOU 2100C News Reporting 3 hrs
JOU 3510 Magazine Publishing 3 hrs
JOU 4224 Magazine Editing and Production 3 hrs

Restricted Electives (9 hrs)
Select three from the following choices: 9 hrs
ENC 3310 Magazine Writing I or 3 hrs
JOU 3201 Editing I or 3 hrs
JOU 3202 Editing II or 3 hrs
JOU 4300 Feature Writing or 3 hrs
JOU 4308 Freelance Writing or 3 hrs
JOU 4340C Online Journalism I 3 hrs

Marketing - Minor

College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Open to Business and Non-Business Students

Minor Admission Requirements
- Not available to Marketing Majors

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (4 hrs)
MAR 3023 Marketing 4 hrs

Restricted Electives (12 hrs)
Select four or five: 12 hrs
MAR 3323 Integrated Marketing Communication 3 hrs
MAR 3391 Professional Selling 3 hrs
MAR 3403 Sales Force Management 3 hrs
MAR 3503 Customer Behavior 3 hrs
MAR 3613 Marketing Analysis and Research 3 hrs
MAR 3641 Marketing Intelligence 3 hrs
MAR 3721 E-Marketing 3 hrs
1 MAR 4156 International Marketing 3 hrs
1 MAR 4231 Retailing Management 3 hrs
1 MAR 4711 Sport Marketing 3 hrs
1 MAR 4712 Healthcare Marketing 3 hrs
1 MAR 4715 Entertainment Marketing 3 hrs
1 MAR 4724 Strategic Foundations in Global E-Business 3 hrs
1 MAR 4803 Marketing Management 3 hrs
1 MAR 4804 Marketing Strategy 3 hrs
1 MAR 4841 Services Marketing 3 hrs
1 MAR 4934 Contemporary Marketing Topics in Florida 3 hrs

Magazine Journalism - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: rmorales@mail.ucf.edu
Ms. Rebecca Morales, rmorales@mil.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Grammar proficiency requirement.
- A minimum UCF GPA of 3.3 is required.
- The minor is not open to Ad/PR, Journalism, or Radio/TV majors.
Minors

1 or MAR 4724, not both
2 or MAR 4156, not both
3 Requires prerequisites in addition to MAR 3023

Restricted Non-Marketing Elective

Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered—approval by petition to the Department.

- ADV 3008 Principles of Advertising 3 hrs
- ANT 3610 Language and Culture 3 hrs
- COM 3011C Communication and Human Relations 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 3120 Organizational Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- ENC 3211 Theory and Practice of Technical Writing 3 hrs
- EXP 3404 Basic Learning Processes 3 hrs
- HSA 3111 U.S. Health Care Systems 3 hrs
- MAN 4720 Strategic Management 4 hrs
- PHI 3803 Philosophy and Creativity 3 hrs
- PPE 3003 Personality Theory 3 hrs
- PSY 3213C Research Methods in Psychology 5 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- SOP 304 Social Psychology 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- STA 4102 Computer Processing of Statistical Data 3 hrs
- SYA 4300C Research Methods 4 hrs

Foreign Language Requirements

None

Total Semester Hours Required

19

Other Requirements

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

Grades below “C” (2.0) or “S” grades from other institutions are not accepted.

Courses taken at community colleges do not substitute for upper division courses.

Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

At least nine hours used in the minor must be earned at UCF within the department.

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Mass Communication - Minor

College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Ms. Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements

Not open to Ad/PR, Journalism, or Radio/TV majors.

Other Requirements

A minimum GPA of 2.0 is required in all courses used to satisfy the minor.

Grades below “C” (2.0) in lower level courses are not accepted in the minor.

At least 12 hours used in the minor must be earned at UCF within the School of Communication.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

None

Restricted Electives (18 hrs)

Select at least 6 courses from the following:

- ADV 3008 Principles of Advertising 3 hrs
- COM 3330 Computer Mediated Communication 3 hrs
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- JOU 3004 History of American Journalism 3 hrs
- MMC 3004 Mass Media 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 3420 Mass Media Research Methods 3 hrs
- MMC 4300 International Media 3 hrs
- PUR 4000 Public Relations 3 hrs
- RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
- RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs

Foreign Language Requirements

None

Total Semester Hours Required

18

Other Requirements

No credit by exam (TSD, Military credit) may be used.

Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Mathematics - Minor

College of Sciences
Department of Mathematics,
Math and Physics, Room: 207
http://math.ucf.edu
E-mail: martin@math.ucf.edu
Dr. Heath Martin, MAP 215A
Phone: 407-823-5700

Minor Admission Requirements

The minor is not open to Mathematics or Math Education majors.

Other Requirements

A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.

At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.

A maximum of six hours of the listed required or elective courses can count toward another major or minor degree program.

Prerequisite Courses

- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)

1. MAC 2311 Calculus with Analytic Geometry I 4 hrs
2. MAC 2312 Calculus with Analytic Geometry II 4 hrs
3. MAC 2313 Calculus with Analytic Geometry III 4 hrs
4. MAP 2302 Differential Equations 3 hrs

1 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.
2 This course may be waived by the Department Standards Committee for a student with adequate high school preparation in calculus. The student would increase Restricted Electives’ hours accordingly to earn the hours required in the minor.
Minors

Restricted Electives (6 hrs)
- The Restricted Electives must be taken from the Department of Mathematics at UCF and must include one course at the 4000-5000 level.

Select two from the following list of options:
- MAA XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAD XXXX (any 3000, 4000, or 5000 level course)
- MAP XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MAS XXXX (any 3000, 4000, or 5000 level course, except as noted below)
- MTG XXXX (any 3000, 4000, or 5000 level course)
- Any mathematics Honors courses that are approved for this purpose by the Department Standards Committee

NOTE: The following course is NOT acceptable as a restricted elective.
- MAP 3401 Problem Analysis 3 hrs

You may select either course if desired, but not both.
- MAS 3105 Matrix and Linear Algebra or 4 hrs
- MAS 3106 Linear Algebra 4 hrs

You may select either sequence, but not both.
- MAA 4226 Advanced Calculus I and 4 hrs
- MAA 4227 Advanced Calculus II 3 hrs

or
- MAA 5210 Topics in Advanced Calculus 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Mathematics Education - Minor
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Janet Andreason, ED 123Q, jandreas@mail.ucf.edu
Dr. Erhan Haciomeroglu, ED 115L, erhansh@mail.ucf.edu, 407-823-4336
Phone: 407-823-5430

The Mathematics Education minor is intended for non-Mathematics Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- MAE 4380 Mathematics Instructional Analysis 4 hrs
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 18 hrs of courses in mathematics as co-requisites.
- At least 12 hours in the minor must be earned at UCF.

Medical Anthropology - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://anthropology.cos.ucf.edu/
E-mail: anthro@mail.ucf.edu
Dr. Arlen Chase, (407) 823-2227

The Medical Anthropology minor develops students’ understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Other Requirements
- Students must earn a grade of "C" (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (12 hrs)
- Complete all of the following:
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 2511 The Human Species 3 hrs
  - ANT 4408 Culture, Disease, and Healing 3 hrs
  - ANT 4462 Medical Anthropology 3 hrs

Restricted Electives
- None

Restricted Electives, Group A: 3 hrs
- Select one course from the list below:
  - ANT 3241 Magic, Ritual, and Belief 3 hrs
  - ANT 3302 Sex, Gender and Culture 3 hrs
  - ANT 4457 Nutritional Anthropology 3 hrs
  - ANT 4516 Human Biological Diversity 3 hrs
  - ANT 4560 Anthropological Perspectives on Human Growth 3 hrs

Restricted Electives, Group B: 6 hrs
- Select two courses from the list below:
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 3701 Applied Anthropology 3 hrs
Minors

ANT 4013  Anthropological Perspectives on Fast Food  3 hrs
ANT 4184  Mortuary Archaeology  3 hrs
ANT 4521C  Forensic Anthropology  3 hrs
ANT 4525C  Human Osteology  4 hrs
ANT 4802  Ethnographic Field Methods  3 hrs
May substitute a health-related course from another department with permission from Anthropology.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ No Credit by exam (TSD, Military Credit) may be used to satisfy the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 417G
http://www.english.cah.ucf.edu/
Tison Pugh, 407-823-6041

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
■ Select two courses from the following:
  1. ENL 4311  Chaucer  3 hrs
  1. ENL 4333  Shakespeare Studies  3 hrs
  1. ENL 4341  Milton and His Age  3 hrs
  1. EUH 3122  Medieval Society and Civilization  3 hrs
  HUM 3435  Medieval Humanities  3 hrs

1 Only one of these three courses will count towards required courses

Restricted Electives (12 hrs)
■ Select no more than two from each disciplinary group:

Department of Art
  ARH 4200  Medieval Art  3 hrs
  ARH 4310  Italian Renaissance Art  3 hrs

Department of English
  ENL 4220  English Renaissance Poetry and Prose  3 hrs
  ENL 4311  Chaucer  3 hrs
  ENL 4333  Shakespeare Studies  3 hrs
  ENL 4341  Milton and His Age  3 hrs

Department of History
  AMH 4110  Colonial America, 1607-1763  3 hrs
  AMH 4112  The Atlantic World  3 hrs
  EUH 3122  Medieval Society and Civilization  3 hrs
  EUH 3124  The Crusades  3 hrs
  EUH 3142  Renaissance and Reformation  3 hrs
  EUH 3531  Medieval Ireland  3 hrs
  EUH 3536  Early Modern Ireland  3 hrs
  EUH 4500  English History to 1485  3 hrs
  EUH 4501  English History: 1485-1815  3 hrs
  EUH 4610  Women in European Society: From Medieval to Modern  3 hrs

Department of Modern Languages
  FRW 3100  Survey of French Literature I  3 hrs
  ITT 3443  Dante’s Inferno  3 hrs
  ITW 3100  Survey of Italian Literature I  3 hrs
  LAT 1120C  Elementary Latin Language and Civilization I  4 hrs
  LAT 1121  Elementary Latin Language and Civilization II  4 hrs
  SPW 3100  Survey of Spanish Literature I  3 hrs
  SPW 3370  Spanish Short Story  3 hrs
  SPW 4310  Golden Age Drama  3 hrs
  SPW 4322  Contemporary Iberian Theatre  3 hrs
  SPW 4604  Cervantes  3 hrs

Department of Music
  MUH 4322  Medieval and Renaissance Music  3 hrs

Department of Philosophy
  HUM 3435  Medieval Humanities  3 hrs
  PHH 3200  Medieval Philosophy  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ Earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the College of Arts and Humanities.
■ Course substitutions may be accepted upon approval of the advisor.

Middle Eastern Studies - Minor
College of Arts and Humanities
Program in Middle Eastern Studies, Colbourn Hall, Room: 411J
Dr. Husain Kassim, 407-823-2803

The Middle Eastern Studies minor is designed to complement a student’s major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
■ ASH 3223  The Modern Middle East  3 hrs
■ CPD 3403  Politics of the Middle East  3 hrs
■ HUM 3419  Islamic Thought and Culture  3 hrs

Restricted Electives (12 hrs)
■ Additional courses may be used only with prior permission of the program director.
■ Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121)

Department of Modern Languages
  AR 2200  Intermediate Arabic Language and Civilization  3 hrs
  ASH 3222  Islam and Its Empires  3 hrs
  ASH 5227  The Arab-Israeli Conflict  3 hrs
  CPD 4710  Women in Comparative Politics  3 hrs
  HBR 2200  Intermediate Modern Hebrew I  3 hrs
  HUM 3553  Moses, Jesus and Muhammad  3 hrs
  JST 3401  The Jewish People I  3 hrs
  JST 3402  The Jewish People II  3 hrs
  JST 3802  Modern Hebrew Culture  3 hrs
  PHH 3200  Medieval Philosophy  3 hrs
  REL 2300  World Religions  3 hrs
### Minors

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 21

#### Other Requirements
- Students who are also minoring or completing a certificate in Judaic Studies may not have more than 3 credits that are counted in both programs.
- At least 15 hours used to satisfy this minor must be at the upper division level.
- A grade of “C” or above (2.0) is required in each course for the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

#### Military Science - Minor

**College of Engineering and Computer Science**

**Army ROTC, Army ROTC, Room: 501**

**LTC Sean Morgan**  
Phone: 407-823-1872

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (16 hrs)

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MSL 3201C</td>
<td>Leadership and Problem Solving</td>
<td>4 hrs</td>
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<tr>
<td>MSL 3202C</td>
<td>Leadership and Ethics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MSL 4301C</td>
<td>Leadership and Management</td>
<td>4 hrs</td>
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<tr>
<td>MSL 4302C</td>
<td>Officership</td>
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</table>

#### Restricted Electives (3 hrs)

- Select one of the following
  - AMH 3541 U.S. Military History To 1900 3 hrs
  - AMH 3547 U.S. Military History Since 1900 3 hrs

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 19

#### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship credit can be used toward the minor.

#### Molecular Biology and Microbiology - Minor

**College of Medicine**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**

**http://www.biomed.ucf.edu**

**E-mail: bcbsinfo@mail.ucf.edu**

**Dr. P.E. Kolattukudy, Chair**  
Phone: 407-823-5932

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (23 hrs)

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</thead>
<tbody>
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<td>BSC 2010C</td>
<td>Biology I</td>
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<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
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<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>PCB 3233L</td>
<td>Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

- Select 1:
  - PCB 3233 Immunology or 3 hrs
  - PCB 4239 Molecular Immunology or 3 hrs

#### Restricted Electives (7 hrs)

- At least two courses from the Restricted Elective category of the baccalaureate curriculum.

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 30

#### Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades less than “C” (1.75) are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

#### Music - Minor

**College of Arts and Humanities**

**Department of Music, Colbourn Hall, Room: 205A**

**http://www.music.cah.ucf.edu/**

**Kirk Gay, kgay@mail.ucf.edu, 407-823-5968**

#### Minor Admission Requirements
- None

#### Other Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (11 hrs)

<table>
<thead>
<tr>
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<tr>
<td>MUT 1121</td>
<td>Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MUT 1122</td>
<td>Music Theory and Musicianship II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

- Select 1:
  - MUH 2017 Survey of Rock Music or 3 hrs
  - MUH 2019 American Popular Music, 1840s-present or 3 hrs
The requirements for each are as follows:

- either the Generalist Emphasis or the Public Affairs Emphasis.

**Restricted Electives**
- Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 20

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

### Non-Profit Management/American Humanics National Certification Program - Minor

**College of Health and Public Affairs**
- Department of Public Administration,
- Health and Public Affairs II, Room: 238
- E-mail: ahminor@mail.ucf.edu
- Stephanie Krick, skrick@mail.ucf.edu, 407-823-0661

The Nonprofit Management/American Humanics National Certification Program Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including "Other Requirements"), the student can earn both a minor and National Certification in American Humanics.

**Minor Admission Requirements**
- None

**Other Requirements**
- Students must earn a “C” (2.0) or better in each course in the minor.

**Prerequisite Courses**
- None

**Required Courses**
- **(9 hrs)**
  1. PAD 3930 American Humanities Human Service Workshop 1 hr
  2. PAD 4144 Non-Profit Organizations 3 hrs
  3. PAD 4048 American Humanities Internship 3 hrs

**Restricted Electives**
- **(9 hrs)**
  - Student can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

### Generalist Emphasis
- Choose at least one course from each of the following three groups:

**Select 1:**
- **(3 hrs)**
  - **Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation**
    1. ACG 2021 Principles of Financial Accounting or
    2. ACG 2071 Principles of Managerial Accounting or
    3. MAN 3025 Management of Organizations or
  - PAD 4131 Public Sector Project Management or
  - PAD 4153 Planning and Improvement for Pub Org or
  - PAD 4204 Fiscal Management or
  - PAD 4325 Program Evaluation for Public and Non-Profit Organizations or
  - PAD 5850 Grant and Contract Management or
  - SOW 3401 Social Work Research

**Select 2:**
- **(3 hrs)**
  - **Group II: Human Development and Human Resource Development and Volunteerism**
    1. DEP 2004 Developmental Psychology or
    2. DEP 3646 Psychology of Aging or
    3. EDG 4941 Directed Field Experience or
    4. MAN 3301 Management of Human Resources or
    5. MAN 4101 Human Relations in Management or
    6. MAN 4320 Human Resources Recruitment and Selection or
  - PAD 4148 Volunteer Management or
  - PAD 4414 Public Personnel Administration or
  - SOW 3104 Assessing I: Human Development or
  - SOW 3203 Social Work & Community Resources

**Select 3:**
- **(3 hrs)**
  - **Group III: Communication & Marketing and Fund Raising Principles & Practices**
    1. COM 3110 Business and Professional Communication or
    2. GEB 3031 Cornerstone: Professional Skills for Business or
    3. MAR 3023 Marketing or
    4. MAR 3641 Marketing Intelligence or
    5. MAR 4803 Marketing Management or
    6. PAD 4147 Resource Development in the Nonprofit Sector or
    7. SOW 3352 Practice II: Interpersonal Skills in Social Work: or
    8. SPC 3301 Interpersonal Communication

1. Course has prerequisites or may be closed to students in the major. Please see catalog for details.

### Public Affairs Emphasis
- **(9 hrs)**
  - Choose at least 3 courses from the following:
    1. PAD 4131 Public Sector Project Management
    2. PAD 4147 Resource Development in the Nonprofit Sector
    3. PAD 4148 Volunteer Management
    4. PAD 4153 Planning and Improvement for Pub Org
    5. PAD 4204 Fiscal Management
    6. PAD 4223 Public Budgeting: Skills and Techniques
    7. PAD 4253 Community & Economic Development
    8. PAD 4325 Program Evaluation for Public and Non-Profit Organizations

1. Course has prerequisites or may be closed to students in the major. Please see catalog for details.

### Foreign Language Requirements
- None

**Total Semester Hours Required**
- 18
Minors

Other Requirements
- Enrollment in American Humanities Certification Program through AH program office.
- Attendance at one national American Humanities Management Institute (additional fees).
- Membership in UCF American Humanities Student Association.
- Students must earn a “C” (2.0) or better in each course in the minor.

North American Indian Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

Minor Admission Requirements
- Interview with the North American Indian Studies Director.
- The minor is not open to Anthropology majors.

Other Requirements
- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

Prerequisite Courses
- Students must satisfy a course’s prerequisites before enrolling in the class.

Required Courses
- ANT 4910 Research (3 hrs)

Restricted Electives
- Courses used in the minor must be taken in at least two departments. Select from the following list.
  - AMH 3411 History of the Frontier: Eastern America (3 hrs)
  - AMH 4110 Colonial America, 1607-1763 (3 hrs)
  - AMH 4112 The Atlantic World (3 hrs)
  - AML 3640 Native American Literature (3 hrs)
  - ANT 3152 Indians of the Southwest (3 hrs)
  - ANT 3158 Florida Archaeology (3 hrs)
  - ANT 3245 Native American Religions (3 hrs)
  - ANT 3311 Indians of the Southeastern United States (3 hrs)
  - ANT 3312 Ethnology of North American Indians (3 hrs)
  - ANT 3313 Indians of North America High Plains (3 hrs)
  - ANT 3314 Indians of the Northeast Woodlands (3 hrs)
  - ANT 3318 Indians of the Northwest Coast (3 hrs)
  - ANT 3398 Black/Seminole Relations (3 hrs)
  - ANT 4144 Prehistory of North America (3 hrs)
  - ANT 4153 North American Archaeology (3 hrs)
  - ANT 4906 Directed Independent Study (1 hr)
  - PHH 3701 Native American Philosophy (3 hrs)
  - SYD 3751 North American Indian Women Today (3 hrs)
  - SYD 3752 Modern Law in Indian Country (3 hrs)

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used to satisfy the minor.

Philosophy - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Jennifer Mundale, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:

  Reasoning
  - Select 1: 3 hrs
    - PHI 2011 Philosophical Reasoning or 3 hrs
    - PHI 2101 Formal Logic I or 3 hrs
    - PHI 2108 Critical Thinking or 3 hrs
    - PHI 2647 Logic and Ethics or 3 hrs
    - PHI 3131 Formal Logic II or 3 hrs

  History of Philosophy
  - Select 1: 3 hrs
    - PHH 3100 Ancient Philosophy or 3 hrs
    - PHH 3200 Medieval Philosophy or 3 hrs
    - PHH 3460 Modern Western Philosophy or 3 hrs
    - PHH 3600 Contemporary Philosophy or 3 hrs

  Values and Society
  - Select 1: 3 hrs
    - PHI 3701 Native American Philosophy or 3 hrs
    - PHI 3625 Virtual Ethics or 3 hrs
    - PHI 3626 Advanced Ethics in Science and Technology or 3 hrs
    - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
    - PHI 3640 Environmental Ethics or 3 hrs
    - PHI 3670 Ethical Theory or 3 hrs
    - PHI 3800 Aesthetics or 3 hrs
    - PHI 3805 Contemporary Aesthetics or 3 hrs
    - PHI 4633 Ethics and Biological Science or 3 hrs
    - PHH 3100 Freedom and Justice or 3 hrs
    - PHH 3123 Feminist Theories or 3 hrs
    - PHH 3401 Philosophy of Law or 3 hrs
    - PHH 4031 Environmental Philosophy or 3 hrs

  Being and Knowing
  - Select 1: 3 hrs
    - PHI 3320 Philosophy of Mind or 3 hrs
    - PHI 3323 Minds and Machines: Philosophy of Cognitive Science or 3 hrs
    - PHI 3451 Philosophy of Psychology or 3 hrs
    - PHI 3700 Philosophy of Religion or 3 hrs
    - PHI 4221 Philosophy of Language or 3 hrs
    - PHI 4300 Theories of Knowledge or 3 hrs
    - PHI 4341 Ways of Knowing or 3 hrs
    - PHI 4400 Philosophy of Science or 3 hrs
    - PHI 4420 Philosophy of Social Science or 3 hrs
    - PHI 4500 Metaphysics or 3 hrs
    - PHP 4782 Phenomenology or 3 hrs
### Philosophy, Religion and Popular Culture - Minor

#### College of Arts and Humanities

#### Department of Philosophy, Psychology Building, Room: 220

**http://www.philosophy.cah.ucf.edu/**  
**E-mail: philosophy@mail.ucf.edu**  
Doug Evans (Orlando Campus), 407-823-2273  
Shelley Park, (Cocoa Campus), 321-433-7919

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

#### Minor Admission Requirements

- None

#### Other Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

- None

#### Theoretical Foundations (6 hrs)

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<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>PHI 3684</td>
<td>Ways of Living</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>Ways of Knowing</td>
<td>3 hrs</td>
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#### Philosophy (3 hrs)

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<tr>
<td>PHI 2101</td>
<td>Formal Logic I or</td>
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<tr>
<td>PHI 3670</td>
<td>Ethical Theory or</td>
<td>3 hrs</td>
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<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion or</td>
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<tr>
<td>PHI 3720</td>
<td>Faith and Reason or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3800</td>
<td>Aesthetics or</td>
<td>3 hrs</td>
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<td>PHI 4300</td>
<td>Theories of Knowledge or</td>
<td>3 hrs</td>
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<tr>
<td>PHI 4804</td>
<td>Critical Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4931</td>
<td>Freedom and Justice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3790</td>
<td>The Problem of Evil or</td>
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#### Religion (3 hrs)

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<tr>
<td>REL 3111</td>
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#### Popular Culture Studies (9 hrs)

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<tbody>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies or</td>
<td>3 hrs</td>
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<tr>
<td>HUM 4330</td>
<td>Contemporary Multicultural Studies or</td>
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<tr>
<td>HUM 4556</td>
<td>Religion and the Arts or</td>
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</tr>
<tr>
<td>PHI 3625</td>
<td>Virtual Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4931</td>
<td>Philosophy in the News or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3235</td>
<td>Mass Media and Politics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POS 3258</td>
<td>Politics in Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3111</td>
<td>Religion and Philosophy Through Film or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3115</td>
<td>Religion, Spirituality, and Popular Music or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYP 3630</td>
<td>Poplar Culture In Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Contemporary Media (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUM 3320</td>
<td>Contemporary Multicultural Studies or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4330</td>
<td>Performance Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4556</td>
<td>Religion and the Arts or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3625</td>
<td>Virtual Ethics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4931</td>
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<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Contemporary Forms of Life (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 3302</td>
<td>Sex, Gender and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3325</td>
<td>Contemporary Humanities or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3022</td>
<td>Sexuality, Gender &amp; Philosophy or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033</td>
<td>Philosophy, Religion, and the Environment or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3629</td>
<td>Family Values or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3683</td>
<td>Philosophy of Friendship or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4321</td>
<td>Philosophies of Embodiment: Mind/Body/ Self or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3123</td>
<td>Feminist Theories or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3401</td>
<td>Philosophy of Law or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3131</td>
<td>Religion in America</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Restricted Electives

- None

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

21
Minors

Other Requirements
- A "C" (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Physics - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except for the following course:

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Political Science/PreLaw - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science/PreLaw and International and Global Studies shall not count more than one course toward both programs.
  2. Students who major in International and Global Studies, and minor in Political Science/PreLaw, shall not count more than one course toward both programs, except the following:

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)
- POS 4941L Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.
Minors

Restricted Electives (12 hrs)

Select 1: 3 hrs
INR 4401 International Law I or
INR 4402 International Law II or
POS 4603 American Constitutional Law or
POS 4604 American Constitutional Law II

Restricted Upper Division Electives 9 hrs
- Three upper division Political Science courses (courses with prefixes CPO, INR, POS, POT, PUP and one GEO - World Political Geography are Political Science courses; see the Political Science Major description for a list of courses that may be offered by the department).
- Only three hours of the following course may be counted:
  POS 4941L Political Science Internship 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior departmental permission.

Psychology - Minor
College of Sciences

Department of Psychology,
Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: psychadvising@mail.ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas; Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
- The minor is not open to psychology majors.

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of “C” (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)
PSY 2012 General Psychology 3 hrs
PSY 3204C Statistical Methods in Psychology 4 hrs

Select one statistics course: 3 hrs
STA 2014C Principles of Statistics or
STA 2023 Statistical Methods I 3 hrs

Restricted Electives (15 hrs)

A. Experimental

Select 1: 3 hrs
EXP 3204C Perception or
EXP 3404 Basic Learning Processes or
EXP 3604 Cognitive Psychology or
PSB 4240C Neuropsychology or
PSY 3703 Psychology of Language 3 hrs

B. Personality/Social

Select 1: 3 hrs
PPE 3003 Personality Theory or
SOP 3004 Social Psychology 3 hrs

C. Developmental

Select 1: 3 hrs
DEP 2004 Developmental Psychology or
DEP 3202 Psychology of Exceptional Children or
DEP 3464 Psychology of Aging 3 hrs

D. Diversity

Select 1 additional Psychology elective 3 hrs
- The following courses will not fulfill this requirement:
  INP 3141C Advanced Applied Psychology 1 hr
  INP 3951 Industrial/Organizational Field Work 3 hrs
  PSY 3905 Directed Independent Study 1 hr
  PSY 3951 Undergraduate Field Work 1 hr
  PSY 4906 Directed Independent Study 1 hr
  PSY 4912 Directed Independent Research 1 hr

- This course may fulfill the requirement with prior approval.

Foreign Language Requirements
- None

Total Semester Hours Required
- 25

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Public Administration - Minor
College of Health and Public Affairs
Department of Public Administration,
Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Dr. Michael Abels, 407-823-2604

The Public Administration minor is related to one of the fastest growing fields in the United States today. Students studying Public Administration will gain a greater understanding of tools associated with management of public sector organizations, including fiscal management, survey research, public administration, and human resource management.

Minor Admission Requirements
- None

Other Requirements
- None
Minors

Prerequisite Courses
- None

Required Courses
- Pad 3003: Public Administration in American Society (3 hrs)
- Pad 3733: Professional Administrative Writing in the Public Sector (3 hrs)
- Pad 4034: The Administration of Public Policy (3 hrs)
- Pad 4104: Administrative Theory (3 hrs)
- Pad 4204: Fiscal Management (3 hrs)
- Pad 4414: Public Personnel Administration (3 hrs)
- Pad 4720: Survey Research in Public Administration (3 hrs)

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of required or elective coursework (from Required Courses and Electives above) can count toward another major or minor degree program.

Recreation - Minor

College of Education

Department of Child, Family and Community Sciences,
Education Building, Room: 209
Dr. Debby Mitchell, ED 320H, mitchell@mail.ucf.edu
Phone: 407-823-6598

This minor will assist students who wish to work in recreation areas such as YMCA's, Boys and Girls Clubs, after school programs, sports for children programs, theme park and resort recreation programs. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- PEO 3041: Games Analysis (3 hrs)
- PET 3765: Coaching Theory (3 hrs)
- PET 3820: Teaching Sports Skills I (3 hrs)

Restricted Electives
- None

Select 3:
- Dae 3370: Dance and Rhythmic or 3 hrs
- Pet 3361: Nutrition for Sport and Fitness or 3 hrs
- Pet 3771: Strength and Conditioning Concepts or 3 hrs
- Pet 4002: Outdoor and Leisure Activities or 3 hrs
- Pet 4050c: Motor Development and Learning or 3 hrs
- Pet 4312: Biomechanics or 3 hrs
- SPM 3130: Aquatic Management or 3 hrs
- SPM 3204: Sports and Ethics or 3 hrs
- SPM 3415: Public Relations in Sport and Fitness or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No grades below “C” (2.0) will be accepted
- All of these hours must be earned at UCF
- No credit by exam, (TSD, Military credit) may be used
- Independent study credit cannot be used toward the minor
Religious Studies - Minor
College of Arts and Humanities
Department of Philosophy,
Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: religion@mail.ucf.edu
Dr. Claudia Schippert, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses
REL 2300 World Religions (3 hrs)

Restricted Electives
■ (Select from the following courses) Religion, Humanities, Classics, and Philosophy courses
- CLT 3370 Classical Mythology or 3 hrs
- CLT 3378 Comparative Mythology or 3 hrs
- HUM 3320 Contemporary Multicultural Studies or 3 hrs
- HUM 3401 Asian Humanities or 3 hrs
- HUM 3417 Hindu Thought and Culture or 3 hrs
- HUM 3419 Islamic Thought and Culture or 3 hrs
- HUM 3552 Christian Thought or 3 hrs
- HUM 3553 Moses, Jesus and Muhammad or 3 hrs
- HUM 4303 The Spiritual Ideal or 3 hrs
- HUM 4320 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHI 3838 Ethical Issues in the 21st Century or 3 hrs
- PHI 3672 Animal Ethics or 3 hrs
- PHI 3684 Ways of Living or 3 hrs
- PHI 3700 Philosophy of Religion or 3 hrs
- PHI 4321 Philosophies of Embodiment: Mind/Body or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4804 Critical Theory or 3 hrs
- PHM 3020 Philosophy of Love or 3 hrs
- PHM 3100 Freedom and Justice or 3 hrs
- PHP 3786 Existentialism or 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
- REL 3131 Religion in America or 3 hrs
- REL 3340 Buddhist Thought or 3 hrs
- REL 3432 Roots of Western Mysticism or 3 hrs
- REL 4110 Religion and the Arts or 3 hrs
- REL 4180 Religion and Medicine or 3 hrs

Courses offered through other Departments
■ NOTE: Other courses, including special topics, may be applied toward the Minor with the approval of the Director.
- AML 3615 Harlem, Haiti, and Havana or 3 hrs
- ANT 3241 Magic, Ritual, and Belief or 3 hrs
- ANT 3245 Native American Religions or 3 hrs
- ASH 3222 Islam and its Empires or 3 hrs
- ASH 3223 The Modern Middle East or 3 hrs

JST 3005 Tenets of Judaism or 3 hrs
JST 3125 The Book of Job or 3 hrs
JST 3144 Dead Sea Scrolls or 3 hrs
JST 3401 The Jewish People I or 3 hrs
JST 3402 The Jewish People II or 3 hrs
JST 3450 Modern Jewish Experience or 3 hrs
JST 3550 Introduction of Modernism into Judaism or 3 hrs
JST 3701 History of the Holocaust or 3 hrs
JST 3751 Literature of the Holocaust or 3 hrs
JST 3810 The Jewish National Movement and Roots of Zionism or 3 hrs
LIT 3202 Death and Dying or 3 hrs
LIT 4374 Literature of the Bible or 3 hrs
POT 4632 Religion and Politics or 3 hrs
SYO 4200 Religion in Society or 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A 'C' (2.0) grade or better is required in all courses used to satisfy the minor.
■ At least 12 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior approval by the Director.

Science Education - Minor
College of Education
Department of Teaching and Learning Principles,
Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Aldrin Sweeney, ED 123L, asweeney@mail.ucf.edu
Dr. Janet Anderson, ED 123Q, jandreas@mail.ucf.edu,
407-823-5430
Phone: 407-823-2561

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
■ None

Other Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Prerequisite Courses
■ None

Required Courses
■ (19 hrs)
- EDF 4467 Learning Theory and Assessment or 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management or 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 or 3 hrs
- SCE 4360 Science Instructional Analysis or 4 hrs
- SCE 4360 Science Instructional Analysis or 4 hrs
- TSL 4080 Theory and Practice of Teaching ESOL or 3 hrs

Students in Schools

Restricted Electives
■ None
Minors

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ Students should see an advisor prior to registering for classes
■ Students must complete 18 hrs of courses in science as co-requisites
■ At least 12 hours in the minor must be earned at UCF

Secure Computing and Networks - Minor
College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Engineering, Room: 107
http://www.cecs.ucf.edu
Ms. Kim Small, ksmall@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
■ None

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
Required Courses
CIS 3360  Security in Computing  3 hrs
CIS 3362  Cryptography and Information Security  3 hrs

Restricted Electives (12 hrs)
■ Elective Courses: Select any four courses from the following list.

Select 4: 12 hrs
   CIS 4361  Secure Operating Systems and Administration  3 hrs
   CIS 4615  Secure Software Development and Assurance  3 hrs
   CNT 4403  Network Security and Privacy  3 hrs
   CNT 4703C  Design and Implementation of Computer Communication Networks or  3 hrs
   CNT 4704  Analysis of Computer Communication Networks or  3 hrs
   COP 4600  Operating Systems or  3 hrs
   EEL 4781  Computer Communication Networks  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
■ No credit by exam (TSD, Military credit) may be used
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor

Social Science Education - Minor
College of Education
Department of Teaching and Learning Principles, Education Building, Room: 209
http://education.ucf.edu/ssed/
Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

The Social Science Education minor is intended for non-Social Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
■ Have a minimum 2.5 overall GPA
■ Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Other Requirements
■ None

Prerequisite Courses
■ None

Required Courses (19 hrs)
Required Courses
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
SSE 4361  Social Science Instructional Analysis  4 hrs
SSE 4936  Programs in Teaching Social Science  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ Students should see an advisor prior to registering for classes
■ Students must complete 18 hrs of courses in science as co-requisites
■ At least 12 hours in the minor must be earned at UCF

Social Sciences - Interdisciplinary - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu/
E-mail: sociology@ucf.edu
Dr. Jay Corzine
Phone: 407-823-3744

Minor Admission Requirements
■ The minor is not open to Social Sciences majors.

Other Requirements
■ Students must earn a grade “C” or above (2.0) in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF.
■ At least 18 hours must be upper division classes.
Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- One method course, selected from the three immediately below
  
  Select 1: 3 hrs
  - POS 3703  Scope and Methods of Political Science or 3 hrs
  - PSY 3213C  Research Methods in Psychology or 5 hrs
  - SYA 4300C  Research Methods 4 hrs

Restricted Electives 18 hrs
- Select a minimum of six hours in each of three different disciplines below. The courses below cannot overlap with your major discipline.

  Communication
  Economics
  Political Science
  Public Administration
  Psychology
  Sociology & Anthropology

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Spanish - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives 18 hrs
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.
- Select six upper division courses in Spanish, including the following courses:
  - SPN 3300  Advanced Spanish Grammar and Composition 3 hrs
  - SPN 3420  Spanish Composition 3 hrs
  - SPN 3760  Advanced Spanish Oral Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
## Minors

### Sport Business Management (SPB): Business Minor

**- Minor**

**College of Business Administration**

**DeVos Sport Business Management, Business Administration II, Room: 205**

[http://www.bus.ucf.edu](http://www.bus.ucf.edu)

Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Business majors only. Minor will only be awarded at the time of business degree completion. A 2.5 GPA in the minor is required in order to receive this minor.

### Minor Admission Requirements

- Completion of Common Program Prerequisites and Admission to a major within the College of Business Administration

### Other Requirements

- None

### Prerequisite Courses

- None

### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4711</td>
<td>Sport Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3003</td>
<td>Introduction to Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3603</td>
<td>Diversity and Social Issues in Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3823</td>
<td>The Role of Business Entrepreneurship in Sports/Entertainment</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 4824</td>
<td>Business Law in Sport &amp; Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 4701</td>
<td>Business Ethics and Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4304</td>
<td>Sports Event and Facility Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4804</td>
<td>Sport Business and Media</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1 Business Law in Sport & Entertainment

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

### Sport Business Management (SPB): Minor for Non-Business Majors - Minor

**College of Business Administration**

**DeVos Sport Business Management, Business Administration II, Room: 205**

[http://www.bus.ucf.edu](http://www.bus.ucf.edu)

Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, kharrison@bus.ucf.edu, 407-823-1158

Open to Non-Business Majors only. A 2.5 GPA in the minor is required in order to receive this minor.

### Minor Admission Requirements

- None

### Other Requirements

- None

### Prerequisite Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 2100</td>
<td>Personal Finance and Investments</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4711</td>
<td>Sport Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3003</td>
<td>Introduction to Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3603</td>
<td>Diversity and Social Issues in Sport Business Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 3823</td>
<td>The Role of Business Entrepreneurship in Sports/Entertainment</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (6 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 4824</td>
<td>Business Law in Sport &amp; Entertainment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4304</td>
<td>Sports Event and Facility Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPB 4804</td>
<td>Sport Business and Media</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- None

### Total Semester Hours Required

- 18

### Other Requirements

- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.
Statistics - Minor
College of Sciences
Department of Statistics, Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson
Phone: 407-823-2289

Minor Admission Requirements
- The minor is not open to Statistics majors.

Other Requirements
- A minimum grade of "C" (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Select 1: 3 hrs
- STA 2023 Statistical Methods I or
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course cannot be used as a restricted elective:
  STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward this Minor.
- Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.

Technological Entrepreneurship - Minor
College of Business Administration
College of Engineering and Computer Science
Department of Management, Business Administration, Room: 307
http://www.cei.ucf.edu
Cameron Ford, cford@bus.ucf.edu
Phone: 407-823-5569

The Technological Entrepreneurship Minor offers students an opportunity to blend deep discipline-specific expertise with broad entrepreneurial thinking skills. Combining disciplinary depth with entrepreneurial breadth promotes the introduction of innovations to society and creates economic rewards to those who champion those innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- GEB 3113 How to Start a Business 3 hrs
- GEB 4110 Business Plan Preparation 3 hrs
- GEB 4152 Technological Entrepreneurship 3 hrs

Restricted Electives (9 hrs)
Minors

Innovation Design or Research Sequence  6 hrs
- Any 6-credit sequence approved by the program coordinator in coordination with faculty in partner discipline that addresses discipline-specific innovation and commercialization processes. These may include senior design courses, capstone research sequences, or relevant honors theses. Examples of approved course sequences for the minor include:

All engineering, interdisciplinary students (e.g., business):
- EGN 4412C  Interdisciplinary Design I and  3 hrs
- EGN 4413C  Interdisciplinary Design II  3 hrs

BSEE, BSCPE:
- EEL 4914  Senior Design I and  3 hrs
- EEL 4915L  Senior Design II  3 hrs

BSME:
- EML 4501C  Engineering Design I and  3 hrs
- EML 4502C  Engineering Design II  3 hrs

BSCPE:
- CCE 4810C  Construction Design Project and  3 hrs
- CEG 4801C  Geotechnical Engineering Design  3 hrs

BSAE:
- EAS 4700C  Aerospace Design I and  3 hrs
- EAS 4710C  Aerospace Design II  3 hrs

Discipline-Specific or Experiential Sequence  3 hrs
- Any 3-credit discipline-specific or experiential learning entrepreneurship course sequence approved by the program coordinator in coordination with faculty in partner discipline. Examples would include discipline-specific entrepreneurship courses like Engineering Entrepreneurship (EGN 4641C), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- Students must consult theatre advisor every semester.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.

Urban and Regional Planning - Minor
College of Health and Public Affairs
Department of Public Administration,
Health and Public Affairs II, Room: 238
E-mail: pa/ba/bs@mail.ucf.edu
Jay Jurie, 407-823-2604

Urban and regional planning is one area of public administration that has seen considerable growth over the past few years. Areas like Central Florida need many professionals who assist government, communities, and private sector planning organizations to provide growth that is environmentally feasible, aesthetically attractive, socially and politically acceptable, technically sustainable, and economically dynamic. This minor looks at all of these diverse and competing interests, and provides the basics for those interested in employment in this area of great demand. Students who pursue a minor in urban and regional planning may find positions as a city planner, urban designer, planning specialist, environmental program manager, or economic development specialist, among others.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses  (15 hrs)
Theatre - Minor
College of Arts and Humanities
Department of Theatre, UTC, Room: 180
http://www.theatre.cah.ucf.edu
E-mail: theatre@mail.ucf.edu
Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

Minor Admission Requirements
- A successful interview and current resume

Other Requirements
- None

Prerequisite Courses
- None

Required Courses  (15 hrs)
THE 2304  Script Analysis  3 hrs
THE 3311  Theatre History and Dramatic Literature I  3 hrs
TAPI 2201  Technical Theatre Production  2 hrs
TAPI 2201L  Technical Theatre Production Lab  1 hr
TPI 2101  Fundamentals of Acting  3 hrs

Restricted Electives  (3 hrs)
- Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- Students must consult theatre advisor every semester.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students must consult departmental handbooks every semester.
Women’s Studies - Minor

College of Arts and Humanities
Program in Women’s Studies,
Colbourn Hall, Room: 201H
http://womensstudies.cah.ucf.edu

E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269

The Women’s Studies minor provides students with an opportunity to learn about women’s historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women’s Studies Program.

Minor Admission Requirements
- None

Other Requirements
- None

Prerequisite Courses
- None

Required Courses
- WST 3015 Introduction to Women’s Studies 3 hrs

Select 1:
- Select one course from the Theories Group:
  - LIT 4554 Advanced Feminist Theories or 3 hrs
  - PHM 3123 Feminist Theories or 3 hrs
  - WST 3522 First and Second Wave Feminisms or 3 hrs
  - WST 3561 Third Wave Feminisms or 3 hrs
  - WST 3521 Theories of Masculinity or 3 hrs
  - WST 4349 Ecofeminism or 3 hrs
  - WST 4415 Global and Transnational Feminism 3 hrs

Restricted Electives
- Students should complete at least two of their four Elective courses from outside their major. Students may count additional courses from the Theories Group as electives toward the minor. Students may use course substitutions, internship, independent study, or Special Topics credit toward the minor only with the approval of the program director. No more than one 2000-level course will count toward the minor.

Women’s Studies Disciplinary Approaches
- WST 3020 Girls’ Studies 3 hrs
- WST 3371 Women and Leadership 3 hrs
- WST 3460 Womanist Studies 3 hrs
- WST 3500 Gender Issues and Community Activism 3 hrs
- WST 3522 First and Second Wave Feminisms 3 hrs
- WST 3621 Theories of Masculinity 3 hrs
- WST 4002 Researching Women and Gender 1 hr
- WST 4021 Girls and Leadership 3 hrs
- WST 4349 Ecofeminism 3 hrs
- WST 4415 Global and Transnational Feminism 3 hrs

Women’s History
- AMH 3561 Women in American History I 3 hrs
- AMH 3562 Women in American History II 3 hrs
- ASH 4304 Women in China 3 hrs
- EUN 4610 Women in European Society: From Medieval to Modern 3 hrs

Representations of Women
- AML 3283 Contemporary American Women’s Fiction 3 hrs
- ARH 4871 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHI 3022 Sexuality, Gender & Philosophy 3 hrs

Women’s Wellness
- CLP 3184 Women’s Mental Health 3 hrs
- NSP 4425 Women’s Health Issues 3 hrs
- SOP 3742 Psychology of Women 3 hrs

Select 1: 3 hrs
- PEM 2405 Self Defense for Women and Men
- SOP 2772 Sexual Behavior

Women and Social Policy
- ANT 3302 Sex, Gender and Culture 3 hrs
- ANT 4308 Gender Issues in Latin America 3 hrs
- CCJ 4670 Women and Crime 3 hrs
- CCJ 4681 Domestic Violence and the Justice System 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- INR 4085 Women, Gender, and Globalization 3 hrs
- PUP 3325 Women and Political Behavior 3 hrs
- PUP 4323 Women and Public Policy 3 hrs
- SYD 3751 North American Indian Women Today 3 hrs
- SYD 3800 Sex and Gender in Society 3 hrs
- SYD 4810 Women in Contemporary Society 3 hrs
- SYD 4813 Women, Law and Social Change 3 hrs
- SYO 4100 Family Trends 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Minimum grade of “C” (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.
Minors

World Comparative Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements

■ None

Other Requirements

■ None

Prerequisite Courses

■ None

Required Courses

IDS 3333  World Comparative Studies  3 hrs

Restricted Electives

■ Thematic Concentrations: Select five courses from within one of the concentrations below. Courses not on the list may be taken with the prior approval of the program adviser. Students must meet all prerequisites before enrolling in these courses. No more than 6 hours of coursework may overlap in a student’s major and this minor, with permission of the Interdisciplinary Studies office. Two upper division foreign language courses (6 hours) may be substituted in any of the thematic concentrations.

Language and Culture

■ Regional courses: Students may take up to two courses dealing with at least two regions of the world in consultation with academic advisor in the Office of Interdisciplinary Studies.
AML 3615  Harlem, Haiti, and Havana  3 hrs
ANT 3145  Archaeology of Complex Societies  3 hrs
ANT 3212  Peoples of the World  3 hrs
ANT 3319  Anthropology of Diaspora  3 hrs
ANT 3610  Language and Culture  3 hrs
ANT 4702  Culture, Power and Development  3 hrs
FSS 3008  Culture and Cuisine  3 hrs
HFT 3868  History and Culture of Wine  3 hrs
HFT 4866C  Exploring Wines of the World  3 hrs
HFT 4894  International Gastronomy  3 hrs
HUM 3419  Islamic Thought and Culture  3 hrs

Economics

ANT 4702  Culture, Power and Development  3 hrs
ECO 3703  International Microeconomics  3 hrs
ECO 4701  Seminar in Global Economic Policy  3 hrs
ECO 4713  International Macroeconomics  3 hrs
ECP 3302  Economics and the Environment  3 hrs
ECS 4013  Development Economics  3 hrs
HFT 3700  Tourism Management  3 hrs
INR 4035  International Political Economy  3 hrs

Biological and Geophysical Environment

ECO 3302  Economics and the Environment  3 hrs
ENV 3001  Introduction to Environmental Engineering  3 hrs
GIS 3043C  GIS for Environmental Studies  3 hrs
GIS 4035C  Remote Sensing of the Environment  3 hrs
HFT 4735  Tourism Geography  3 hrs
IDS 3150  Foundations of Environmental Studies  3 hrs
INR 4351  International Environmental Law  3 hrs
PHI 3033  Philosophy, Religion, and the Environment  3 hrs
PHI 3640  Environmental Ethics  3 hrs
SYD 4510  Environment and Society  3 hrs

Social Structure and Change

ANT 3145  Archaeology of Complex Societies  3 hrs
ANT 3273  Law and Culture  3 hrs
ANT 4702  Culture, Power and Development  3 hrs
PLA 4830  World Legal Systems  3 hrs
SYD 4454  Global Inequality and Society  3 hrs

Media and Communication

COM 4461  Intercultural Communication  3 hrs
FIL 3842  International Cinema  3 hrs
FIL 3845  World Cinema Traditions  3 hrs
FIL 4844  Africana Cinema  3 hrs
LIN 4643  Cross Cultural Communication  3 hrs
THE 4212  Global Theatre  3 hrs

World Independent Specialization

■ Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements

■ Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required

■ 18

Other Requirements

■ A grade of “C” (2.0) or above is required in each course used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.
In recognition of the special needs of the older adults in Central Florida, the university offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. The certificate may be completed as a fully web-based program. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

Prerequisite Courses
- None

Required Courses (6 hrs)
- GEY 3001 Gerontology: An Interdisciplinary Overview 3 hrs
- Required Internship: (Select one) 3 hrs
  - HSA 4941 Internship 3 hrs
  - PSY 3951 Undergraduate Field Work 3 hrs
  - 1 SOW 4510 Field Education 9 hrs
  - 2 SOW 4941 Internship 9 hrs
  - SYP 4941 Internship 3 hrs
- 1 (Full-time students ONLY). Cannot be used with SOW 4941.
- 2 (Part-time students over two semesters ONLY). Cannot be used with SOW 4510.

Restricted Electives (9 hrs)
- Students select three additional courses from the following courses: A maximum of two courses in their College must be taken and at least one course must be outside their college.

College of Health and Public Affairs 6 hrs
- HSA 3222 Long Term Care and Administration 3 hrs
- HSA 4220 Long Term Patient Management 3 hrs
- HSC 4564 Health Care Needs of the Elderly 3 hrs
- NUR 4286 Gerontologic Nursing 3 hrs
- PLA 4530 Legal Issues of the Elderly 3 hrs
- SOW 3740 Social Work Practice with Loss & Life's Transitions 3 hrs
- SOW 4645 Social Services for the Elderly 3 hrs
- Other Colleges 3 hrs
  - DEP 3464 Psychology of Aging 3 hrs
  - 1 GEY 5007 Women and Healthy Aging 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
  - SYP 4732 Minority Aging 3 hrs
- 1 Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A minimum GPA of 2.0 required in all courses used to satisfy the certificate.
- Grades less than “C” (2.0) are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the certificate.

Behavioral Forensics - Certificate
College of Sciences
Department of Psychology
Psychology Building, Room: 301
http://www.psych.ucf.edu/
E-mail: kmottare@mail.ucf.edu
Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

Prerequisite Courses (9 hrs)
- Students must satisfy each course’s prerequisites before enrolling in the class.

Select 1:
- Complete one introductory course:
  - PSY 2012 General Psychology or
  - SYG 2000 Introduction to Sociology 3 hrs

Take all of the following: 6 hrs
- Complete both classes:
  - PPE 3003 Personality Theory and
  - SYP 3510 Sociology of Deviant Behavior 3 hrs

Required Courses (9 hrs)
- CLP 4390 Forensic Psychology 3 hrs
- SOP 3751 Legal Aspects of Psychology 3 hrs
- SYP 3520 Criminology 3 hrs

Restricted Electives (12 hrs)
- Note: It is the student’s responsibility to meet all prerequisites for every course selected

From Psychology, select one of the following: 3 hrs
- CLP 3143 Abnormal Psychology
- CLP 3302 Clinical Psychology
- CLP 4134 Childhood Psychopathology
- PCO 4203 Interviewing and Counseling
- 4 hrs
**Certificates**

**From Sociology, select two of the following:** 6 hrs  
SYP 3511  Sociology of Murder  3 hrs  
SYP 3530  Juvenile Delinquency  3 hrs  
SYP 3540  Sociology of Law  3 hrs  
SYP 3562  Patterns of Domestic Violence in Society  3 hrs  
SYP 4514  Patterns of Violence in Society  3 hrs  
SYP 4521  Crime Victims in Society  3 hrs  
SYP 4536  Gangs and Society  3 hrs  

**From Criminal Justice, select one of the following:** 3 hrs  
CCJ 3014  Crime in America  3 hrs  
CCJ 3024  Criminal Justice System  3 hrs  
CCJ 3667  Victims and the CJ System  3 hrs  
CCJ 4670  Women and Crime  3 hrs  
CCJ 4681  Domestic Violence and the Justice System  3 hrs  
CCJ 4690  Sex Offenders and the Criminal Justice System  3 hrs  
CJE 4012  Criminal Profiling in Criminal Justice  3 hrs  
CJE 4630  Serial Murder and Criminal Justice  3 hrs  

**Foreign Language Requirements**  
- None  

**Total Semester Hours Required**  
- 30  

**Other Requirements**  
- No credit by exam (TSD, Military credit) may be used.  
- Internship, Co-op, or Independent Study credit cannot be used toward the certificate without prior consent.  

**Children’s Services - Certificate**  
**College of Health and Public Affairs**  
**School of Social Work, Health and Public Affairs I, Room: 204**  
**E-mail: sociafwk@mail.ucf.edu**  
BSW Coordinator  
Phone: 407-823-2114  

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and with the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families. Certificates will be awarded only at the time of degree completion.  

**Certificate Admission Requirements**  
- Must be a BSW major.  

**Certificate Requirements**  
- Placement with the Department of Children and Families-Working with child welfare or placement in an agency that serves children  
- Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement  

**Prerequisite Courses**  
- None  

**Required Courses**  (18 hrs)  
SOW 3352  Practice II: Interpersonal Skills in Social Work  3 hrs  
SOW 4650  Child Abuse: Treatment and Prevention  3 hrs  
SOW 4654  Children’s Services  3 hrs  

**Select 1:**  9 hrs  
1. SOW 4510  Field Education  9 hrs  
2. SOW 4941  Internship  9 hrs  

1. (for full-time students ONLY)  
2. (for part-time students over two semesters)  

**Restricted Electives**  
- None  

**Foreign Language Requirements**  
- None  

**Total Semester Hours Required**  
- 15  

**Other Requirements**  
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.  
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice  
- No credit by exam (TSD, Military credit) may be used.  
- Internship or Independent Study credit may not be used toward the program.

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**Crime Analysis and Crime Mapping - Certificate**  
**College of Health and Public Affairs**  
**Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311**  
**E-mail: cjadvise@mail.ucf.edu**  
R. Cory Watkins, 407-823-2603  

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.  

**Certificate Admission Requirements**  
- None  

**Certificate Requirements**  
- None  

**Prerequisite Courses**  
- None  

**Required Courses**  (9 hrs)  
CCJ 4076  Crime Analysis II  3 hrs  
CJE 3662  CJ Information Technology and Data Management  3 hrs  
CJE 4663  Crime Analysis I  3 hrs  

**Restricted Electives**  (6 hrs)  
- Select two of the following:  
  - CCJ 3450  The Criminal Justice Manager  3 hrs  
  - CCJ 3451  Justice System Technology  3 hrs  
  - CCJ 3444  Crime Prevention  3 hrs  
  - CJE 4352  Policy Development in Law Enforcement  3 hrs  
  - CJE 4572  Justice Agency Operations  3 hrs  
  - CJE 4654  Crime and Place  3 hrs  

**Foreign Language Requirements**  
- None  

**Total Semester Hours Required**  
- 15  

**Other Requirements**  
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.  
- At least 12 hours used in the program must be earned at UCF within the Department of Criminal Justice  
- No credit by exam (TSD, Military credit) may be used.  
- Internship or Independent Study credit may not be used toward the program.
Crime Scene Investigation - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
Department of Anthropology, Phillips Hall, Room: 403
David Fabianic, fabianic@mail.ucf.edu, 407-823-2603
Dr. John Schultz, jschultz@mail.ucf.edu, 407-823-2618
Mary Ann Eastep, cjadvise@mail.ucf.edu, 407-823-2603

Crime scene processing is increasingly becoming a multi-disciplinary endeavor with the application of technologically advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses
- None

Required Courses (12 hrs)
- Note: some courses have limited offerings, and should be taken when available.
- ANT 4183 Archaeological Sciences 3 hrs
- ANT 4521C Forensic Anthropology 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4610 Criminal Investigation 3 hrs

Restricted Electives (3 hrs)
- Select one of the following courses:
  - ANT 3115 Archaeological Method and Theory 3 hrs
  - ANT 4528C Advanced Forensic Anthropology 5 hrs
  - C CJ 4195 Interviews & Interrogations in CJ 3 hrs
  - CHS 3501 Introduction to Forensic Science 3 hrs
  - CJE 4630 Serial Murder and Criminal Justice 3 hrs
  - SYP 3511 Sociology of Murder 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- No credit by exam (TSD, Military credit) may be used
- Internship or Independent Study credit cannot be used toward the certificate

Cultural Tourism - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- ANT 4303 Anthropology of Tourism 3 hrs
- HFT 3540 Guest Services Management I 3 hrs
- HFT 3700 Tourism Management 3 hrs
- HFT 4735 Tourism Geography 3 hrs
Certificates

Required Courses

- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives

Select two courses from the following list: 6 hrs
- AMH 4512 US Diplomatic History: 1914-1945 3 hrs
- EUH 4620 European Great Powers: 1815-1914 3 hrs
- INR 4054 Global Politics of Energy 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director's discretion.

Diplomacy - Certificate

College of Sciences

Department of Political Science,
Phillis Hall, Room: 302

Department of History, Colburn Hall, Room: 551
http://www.cos.ucf.edu/politicalscience
Dr. R. Handberg, 407-823-2608
Dr. E. Kallina, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.
Certificates

**Restricted Electives**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAE 4342</td>
<td>Programs in Teaching Language and</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Composition</td>
<td></td>
</tr>
<tr>
<td>LAE 4464</td>
<td>Survey of Adolescent Literature</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAE 4634</td>
<td>Programs in Teaching of Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCE 4361</td>
<td>Programs in Teaching Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SSE 4936</td>
<td>Programs in Teaching Social Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 15

**Other Requirements**

- A grade of "C" (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 9 hours used in the certificate must be earned at UCF.
- No credit by exam (CLEP, Military credit) may be used.
- Transfer credits from other universities will be considered.
- Completion of the certificate does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

---

**Finance: Banking - Certificate**

**College of Business Administration**

**Department of Finance, Business Administration I, Room: 409**

*http://web.bus.ucf.edu/academics/finance/*

Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- No grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator and a banking faculty member.

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 3131</td>
<td>Financial Accounting Concepts and Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ACG 3141</td>
<td>Intermediate Financial Accounting II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4324</td>
<td>Commercial Bank Management</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

- FIN 4941  Finance Internship or Professional Selling 3 hrs

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- None

---

**Finance: Corporate Finance - Certificate**

**College of Business Administration**

**Department of Finance, Business Administration I, Room: 409**

*http://web.bus.ucf.edu/academics/finance/*

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
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<td>Financial Accounting Concepts and Analysis</td>
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</tr>
<tr>
<td>ACG 3141</td>
<td>Intermediate Financial Accounting II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 3414</td>
<td>Intermediate Corporate Finance</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4941</td>
<td>Finance Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- None

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- None

---

**Finance: Investments - Certificate**

**College of Business Administration**

**Department of Finance, Business Administration I, Room: 409**

*http://www.bus.ucf.edu/finance/*

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3504</td>
<td>Investment Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4514</td>
<td>Portfolio Analysis and Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4533</td>
<td>Financial Derivatives</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FIN 4941</td>
<td>Finance Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### Judaic Studies - Certificate

**College of Arts and Humanities**  
**Program in Judaic Studies, Colbourn Hall, Room: 415 E-J**  
**http://www.judaicstudies.cah.ucf.edu**  
**E-mail: judaicst@mail.ucf.edu**  
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies and Women’s Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses.

#### Certificate Admission Requirements
- None

#### Certificate Requirements
- None

#### Prerequisite Courses
- None

#### Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Language</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1120</td>
<td>4 hrs</td>
<td>Elementary Modern Hebrew Language and Culture I</td>
</tr>
<tr>
<td>HBR 1121</td>
<td>4 hrs</td>
<td>Elementary Modern Hebrew Language and Culture II</td>
</tr>
<tr>
<td>HBR 2200</td>
<td>3 hrs</td>
<td>Intermediate Modern Hebrew I</td>
</tr>
<tr>
<td>HBR 2201</td>
<td>3 hrs</td>
<td>Intermediate Modern Hebrew II</td>
</tr>
<tr>
<td>HBR 3250</td>
<td>3 hrs</td>
<td>Biblical Hebrew</td>
</tr>
<tr>
<td>HBR 3410</td>
<td>3 hrs</td>
<td>Conversational Israeli Hebrew</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jewish History</th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3401</td>
<td>3 hrs</td>
<td>The Jewish People I</td>
</tr>
<tr>
<td>JST 3402</td>
<td>3 hrs</td>
<td>The Jewish People II</td>
</tr>
<tr>
<td>JST 3415</td>
<td>3 hrs</td>
<td>American Jewish History</td>
</tr>
<tr>
<td>JST 3481</td>
<td>3 hrs</td>
<td>20th Century Jewish History and Thought</td>
</tr>
<tr>
<td>JST 3550</td>
<td>3 hrs</td>
<td>Introduction of Modernism into Judaism</td>
</tr>
<tr>
<td>JST 3701</td>
<td>3 hrs</td>
<td>History of the Holocaust</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bible</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3120</td>
<td>3 hrs</td>
<td>Hebrew Scriptures</td>
</tr>
<tr>
<td>JST 3125</td>
<td>3 hrs</td>
<td>The Book of Job</td>
</tr>
<tr>
<td>JST 3126</td>
<td>3 hrs</td>
<td>Romantic Love in the Bible</td>
</tr>
<tr>
<td>JST 3144</td>
<td>3 hrs</td>
<td>Dead Sea Scrolls</td>
</tr>
<tr>
<td>JST 3190</td>
<td>3 hrs</td>
<td>The Biblical Prophets</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Literature</th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3100</td>
<td>3 hrs</td>
<td>The Hebrew Creative Mind</td>
</tr>
<tr>
<td>JST 3312</td>
<td>3 hrs</td>
<td>Identity and Genre</td>
</tr>
<tr>
<td>JST 3751</td>
<td>3 hrs</td>
<td>Literature of the Holocaust</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jewish Civilization</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3005</td>
<td>3 hrs</td>
<td>Tenets of Judaism</td>
</tr>
<tr>
<td>JST 3121</td>
<td>3 hrs</td>
<td>Classic Texts of Judaism</td>
</tr>
<tr>
<td>JST 3210</td>
<td>3 hrs</td>
<td>Kabbalah: Jewish Mysticism</td>
</tr>
<tr>
<td>JST 3620</td>
<td>3 hrs</td>
<td>Contemporary Jewish Ethics and Morality</td>
</tr>
</tbody>
</table>

Other courses, including special topics, with the approval of the Director.
Leadership Studies - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies,
Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- Foundation Requirement 4 hrs
  - LDR 2001 Foundations of Leadership 2 hrs
  - LDR 2002 Intermediate Foundations of Leadership 2 hrs
- Restricted Requirements 9 hrs
  - Choose one course from three of the areas below:
    - Communication 3 hrs
      - COM 3011C Communication and Human Relations or 3 hrs
      - COM 3120 Organizational Communication or 3 hrs
      - COM 4461 Intercultural Communication or 3 hrs
      - COM 4462 Conflict Management 3 hrs
    - Collaboration 3 hrs
      - INP 3004 Industrial/Organizational Psychology or 3 hrs
      - INP 4313 Organizational Psychology or 3 hrs
      - MAN 3025 Management of Organizations or 4 hrs
      - MAN 4240 Organizations: Theory and Behavior or 3 hrs
      - SPC 4426 Group Dynamics 3 hrs
    - Social Relations and Culture 3 hrs
      - ANT 3541 Biobehavioral Anthropology or 3 hrs
      - CLP 3143 Abnormal Psychology or 3 hrs
      - COM 4461 Intercultural Communication or 3 hrs
      - EXP 3304 Motivation or 3 hrs
      - SOP 3004 Social Psychology or 3 hrs
      - SOP 3723 Cross Cultural Psychology or 3 hrs
      - SOP 3742 Psychology of Women or 3 hrs
      - SOP 3784 Psychology of Diversity 3 hrs
    - Politics 3 hrs
      - PAD 3003 Public Administration in American Society or 3 hrs
      - PAD 4104 Administrative Theory or 3 hrs
      - PAD 4144 Non-Profit Organizations or 3 hrs
      - PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
      - POS 3413 The American Presidency or 3 hrs
      - POS 4206 Political Psychology or 3 hrs
      - PUP 3325 Women and Political Behavior 3 hrs
    - Ethics 3 hrs
      - BUL 3130 Legal and Ethical Environment of Business or 3 hrs
      - EDF 3601 Professional Ethics in Education or 3 hrs
      - PAD 3040 Ethics and Values in Public Administration or 3 hrs
      - PHI 2108 Critical Thinking or 3 hrs
      - PHI 3640 Environmental Ethics 3 hrs
- Required Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 13

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.

Marketing: e-Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- Foundation Requirement 3 hrs
  - MAR 3721 E-Marketing 3 hrs
- Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Entertainment Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major

Certificate Requirements
- None
### Certificates

#### Prerequisite Courses
- None

#### Required Courses
- **(6 hrs)**
  - MAR 4715 Entertainment Marketing
  - 3 hrs
  - MAR 4941 Marketing Internship
  - 3 hrs

  1 Internship in entertainment-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

#### Restricted Electives
- None

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 6

#### Other Requirements
- None

### Marketing: Healthcare Marketing - Certificate

**College of Business Administration**

**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors.
- These six hours count as the six elective marketing hours required in the major.

**Certificate Requirements**
- None

#### Prerequisite Courses
- None

#### Required Courses
- **(6 hrs)**
  - MAR 4712 Healthcare Marketing
  - 3 hrs
  - MAR 4941 Marketing Internship
  - 3 hrs

  1 Internship in healthcare-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

#### Restricted Electives
- None

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 6

#### Other Requirements
- None

### Marketing: Retailing Management - Certificate

**College of Business Administration**

**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing Majors.
- These six hours count as the six elective marketing hours required in the major.

**Certificate Requirements**
- None

#### Prerequisite Courses
- None

#### Required Courses
- **(6 hrs)**
  - MAR 3403 Sales Force Management
  - 3 hrs
  - MAR 4941 Marketing Internship
  - 3 hrs

  1 Internship in sales-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

#### Restricted Electives
- None

#### Foreign Language Requirements
- None

#### Total Semester Hours Required
- 6

#### Other Requirements
- None

### Marketing: Selling and Sales Management - Certificate

**College of Business Administration**

**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing Majors.
- These six hours count as the six elective marketing hours required in the major.

**Certificate Requirements**
- None

#### Prerequisite Courses
- None

#### Required Courses
- **(6 hrs)**
  - MAR 4231 Retailing Management
  - 3 hrs
  - MAR 4941 Marketing Internship
  - 3 hrs

  1 Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.
Marketing: Services Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II,
Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
■ Restricted to Marketing majors
■ These six hours count as the six elective marketing hours required in the major.

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
MAR 4841 Services Marketing 3 hrs
1 MAR 4941 Marketing Internship 3 hrs

1 Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 6

Other Requirements
■ None

Marketing: Sport Marketing Management - Certificate
College of Business Administration
Department of Marketing, Business Administration II,
Room: 307S

Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
■ Restricted to Marketing majors
■ These six hours count as the six elective marketing hours required for the major.

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (6 hrs)
MAR 4711 Sport Marketing 3 hrs
1 MAR 4941 Marketing Internship 3 hrs

1 Internship in sports-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 6

Other Requirements
■ None

Military Science - Certificate
College of Engineering and Computer Science
Army ROTC, BLDG 501
LTC Bryce Christensen, 407-823-1872

Students enrolled in the UCF Army ROTC Military Science Program who are contracted under a three semester option prior to Commissioning will be eligible for a Military Science Certificate in Military Studies. Application for a Military Science Certificate will be approved by the Military Science Department Chair once a contracted Cadet completes the 12 credit hours of MSL Advanced Course instruction and the 3 credit hour Military History Course for a combined total of 15 credit hours in Military Science. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None

Required Courses (15 hrs)
AMH 3547 U.S. Military History Since 1900 3 hrs
MSL 4301C Leadership and Management 4 hrs
MSL 4302C Officership 4 hrs
Select 1: 4 hrs
MSL 3201C Leadership and Problem Solving or 4 hrs
MSL 3202C Leadership and Ethics 4 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 15

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
■ Grades less that “C-” (1.75) are not accepted.
■ No credit by exam (TSD, Military Credit) may be used.
■ Internship or Independent Study credit can be used toward the certificate.
■ Students earning the Military Science Minor are not eligible for this certificate.

Nonprofit Management - Certificate
College of Health and Public Affairs
Department of Public Administration,
Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm
E-mail: pa/ba/bs@mail.ucf.edu
Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
■ None

Certificate Requirements
■ None

Prerequisite Courses
■ None
## Certificates

### Required Courses (15 hrs)
- **PAD 4144** Non-Profit Organizations 3 hrs
- **PAD 4147** Resource Development in the Nonprofit Sector 3 hrs
- **PAD 4148** Volunteer Management 3 hrs
- **PAD 4153** Planning and Improvement for Pub Org Organizations 3 hrs
- **PAD 4325** Program Evaluation for Public and Non-Profit 3 hrs

### Restricted Electives (3 hrs)
- See advisor for approved courses

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 18

### Other Requirements
- A minimum grade of "C" (2.0) is required in each course.
- At least 12 hours used in the program must be earned at UCF within the Department of Public Administration

### Real Estate: Mortgage Brokerage - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**  
**Business Administration II, Room: 101**  
**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 3 hrs
- **REE 3043** Fundamentals of Real Estate 3 hrs
- **REE 3433** Real Estate Law 3 hrs
- **REE 4103** Real Estate Appraisal and Valuation 3 hrs
- **1 REE 4941** Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- None

### Real Estate: Real Estate Appraisal - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**  
**Business Administration II, Room: 101**  
**http://web.bus.ucf.edu/realestate/**

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser’s license.

### Certificate Admission Requirements
- None

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (15 hrs)
- **MAR 3391** Professional Selling 3 hrs
- **REE 3043** Fundamentals of Real Estate 3 hrs
- **REE 3433** Real Estate Law 3 hrs
- **REE 4103** Real Estate Appraisal and Valuation 3 hrs
- **1 REE 4941** Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- None

### Real Estate: Real Estate Brokerage - Certificate

**College of Business Administration**

**Dr. P. Phillips School of Real Estate,**  
**Business Administration II, Room: 101**  
**http://web.bus.ucf.edu/realestate/**

*Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.*

Completion of this certificate qualifies a student to sit for the Florida real estate sales license.

### Certificate Admission Requirements
- None

### Certificate Requirements
- None

### Prerequisite Courses
- None

### Required Courses (15 hrs)
- **MAR 3391** Professional Selling 3 hrs
- **REE 3043** Fundamentals of Real Estate 3 hrs
- **REE 3433** Real Estate Law 3 hrs
- **REE 4103** Real Estate Appraisal and Valuation 3 hrs
- **1 REE 4941** Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

### Restricted Electives
- None

### Foreign Language Requirements
- None

### Total Semester Hours Required
- 15

### Other Requirements
- None
## Certificates

### Security Management - Certificate

**College of Health and Public Affairs**

**Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311**

**E-mail:** cjadvise@mail.ucf.edu

Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 4644</td>
<td>White Collar Crime</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 3893</td>
<td>Security Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJT 4843</td>
<td>Risk Management in Criminal Justice/Private Security</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SCC 3311</td>
<td>Security Administration</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**

- Select one of the following:
  - CJE 3444 Crime Prevention                      | 3 hrs |
  - DSC 4012 Terrorism                              | 3 hrs |
  - PLA 3377 The Law of Torts                      | 3 hrs |
  - PLA 5937 Seminar in Contemporary Legal Problems | 3 hrs |
  - SCC 3316 Special Security Problems             | 3 hrs |

**Foreign Language Requirements**

- None

**Total Semester Hours Required**

- 12

**Other Requirements**

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.

### Substitute Teaching - Certificate

**College of Education**

**Department of Educational Studies, Education Building, Room: 220B**

**http://education.ucf.edu/**

**E-mail:** wwise@mail.ucf.edu

Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to any degree.

**Certificate Admission Requirements**

- None

**Certificate Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>UCF-Approved SL courses</td>
<td>Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under “special groups” in the class schedule.</td>
<td>12 hrs</td>
</tr>
</tbody>
</table>

**Total Semester Hours Required**

- 12

**Other Requirements**

- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.
Certificates

Certificates

The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students’ major programs. This certificate is available for students in the 2006 catalog year and beyond.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

- EDF 2007 Introduction to Substitution Teaching (3 hrs)
- EDF 2250 Classroom Management for Substitute Teachers (3 hrs)
- EDG 2311 Teaching Strategies for Substitute Teachers (3 hrs)

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- 9

Other Requirements

- A minimum GPA of 2.5 in all courses
- No credit by exam (CLEP, Military credit) may be used.
- At least 6 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Translation and Interpretation - Certificate
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 505
http://mll.cah.ucf.edu/
E-mail: forlang@mail.ucf.edu
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificate Admission Requirements

- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

- SPT 3800 Spanish Translation and Interpretation (3 hrs)
- SPT 3805 Spanish Translation and Interpretation for Mass Communication (3 hrs)
- SPT 3899 Medical Spanish Translation/Interpretation (3 hrs)
- SPT 3831 Spanish Legal Translation and Interpretation (3 hrs)

Restricted Electives

- SPN 3933 Spanish Across the Curriculum (1 hr)
- SPN 4941 Internship (1 hr)
- Any upper division SPN or SPT course with advisor’s approval (1 hr)

Foreign Language Requirements

- None

Total Semester Hours Required

- 12

Other Requirements

- A minimum GPA of 2.5 in all courses used to satisfy the certificate.
- No credit by exam (TSD, Military credit) may be used.
- At least 12 hours used in the certificate must be earned at UCF.
- Note: Completion of this certificate does not complete the requirements for teacher certification, nor does it constitute admission to the College of Education.

Victim Advocacy - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

- CCJ 3667 Victims and the CJ System (3 hrs)
- CCJ 4670 Women and Crime (3 hrs)
- CCJ 4661 Domestic Violence and the Justice System (3 hrs)

Restricted Electives

- Select two of the following:
  - CCJ 4129 Cultural Diversity in Criminal Justice (3 hrs)
  - CCJ 4690 Sex Offenders and the Criminal Justice System (3 hrs)
  - CJJ 4564 Juvenile Justice System (3 hrs)
  - NOR 4516 Crisis Intervention (3 hrs)
  - SDW 4754 Forensic Social Work Theory and Practice (3 hrs)
  - SYP 4521 Crime Victims in Society (3 hrs)

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Women’s Studies - Certificate
College of Arts and Humanities
Program in Women’s Studies,
Colbourn Hall, Room: 201H
http://womensstudies.cah.ucf.edu
E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269

The certificate program in Women’s Studies is designed to provide students with a basic, working knowledge of gender roles and women’s issues. The certificate program is open to both degree-seeking and non degree-seeking students, but should be particularly beneficial to students in professional degree programs who will serve women and/or girls as a client population, but whose elective hours are restricted.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
WST 3015  Introduction to Women’s Studies  3 hrs

Restricted Electives (9 hrs)
- See listing for minor. Certificate students are exempt from the distribution requirements and should select foundations courses that best complement their major area of study.

Internship Option: 3 hrs
- Internship required by a student’s major degree program may count for credit toward the certificate, if placement is substantively related to women and/or women’s issues.

Foreign Language Requirements
- None

Total Semester Hours Required
- 12

Other Requirements
- A GPA of 2.0 or better is required in all courses used to satisfy the certificate.
- Grades of “C” or below will not be counted toward the Women’s Studies Minor.
- At least 9 hours used in the certificate must be earned at UCF.
International Studies  
Director: Angel Cardec; Research Pavilion, Suite 395,  
P.O. Box 163105, Orlando, FL 32816-3105; 407-882-2300;  
Fax: 407-882-0240;  

The Office of International Studies (OIS) connects UCF students and faculty to diverse world communities. Its mission is to promote, support, facilitate, advocate, and implement activities that lead to the internationalization of education and research at UCF. This is accomplished through: development and administration of UCF study abroad programs; faculty development activities; internationalization of courses and programs; enhancement of international exchanges; promotion of international partnerships; and the identification and acquisition of external funding.

Study Abroad Programs  
http://www.studyabroad.ucf.edu

By its very nature, study abroad provides an exciting setting for learning - one in which student interaction is central to the learning process. Study abroad participants learn about new environments, customs and, in many cases, new languages. They deal with the uncertainties of international travel and must adapt to the dynamics of the group. Maturity, self confidence, and awareness of other cultures are only some of the benefits of study abroad. Students are invited to expand their classroom, their experience, and their future through study abroad.

UCF study abroad opportunities are a cooperative venture of academic departments and the OIS, and are designed to provide an exceptional learning experience, while matching the specific needs and circumstances of UCF students. The two main types of programs administered by UCF are Short Term Programs and Student Exchanges.

Short Term Programs are intended to provide the maximum amount of exposure to a subject in the shortest period of time. They must meet all the criteria for UCF courses and can be delivered as complete modules, or as a complement to a course delivered on campus or online. Examples of past short term programs include the following: intensive language programs in France, Japan, Germany, Spain and Italy; Tropical Marine Biology in Honduras; International Business in France and Spain; Criminal Justice in Costa Rica and Russia; Education in the United Kingdom; International Gastronomy in France and Italy; and Art in Scotland.

Reciprocal Student Exchanges (RSE) provide the opportunity to become a student at a university abroad for one term or even a year. The longer terms allow for a more extensive experience abroad. Student exchanges require greater personal commitment, maturity and organization. Therefore, they are limited to UCF students who have attained at least a junior status and who have a minimum 3.0 GPA. Past RSE include the following: Université d’Angers, ICN School of Business and Paris VI in France; Meikai University in Japan; University of Lima in Peru; Jonkoping and Malardalen universities in Sweden; and Northampton University and University of Surrey in the United Kingdom.

There are many more study abroad options. It is important that interested participants investigate their choices, the requirements and the implications that each choice has in terms of cost, credit transferability and progress toward graduation. OIS staff members can provide program advice and general information about options. For up-to-date information, please visit http://www.studyabroad.ucf.edu or contact OIS at 407-882-2300.
Aerospace Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu

E-mail: mmaeugrad@mail.ucf.edu
Dr. Alain Kassab, kassab@mail.ucf.edu, 407-823-5778
Ms. Waheda Illasarie, willasar@mail.ucf.edu, 407-823-5448
Dr. Kuo-Chi (Kurt) Lin, klin@mail.ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (0 hrs)
- See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
- See Aerospace Engineering major in catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (54 hrs)
- EAS 3010 Fundamentals of Aerospace Flight 3 hrs
- EAS 3011 Fundamentals of Aerodynamics 3 hrs
- EAS 300C Aerospace Engineering Measurements 3 hrs
- EAS 1910C Design of Aerospace Experiments 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4124 High-Speed Aerodynamics 3 hrs
- EAS 4200 Flight Structures 3 hrs
- EAS 4210 Space Structural Dynamics 3 hrs
- EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 4312C Feedback Control 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- Select 1:
  - EAS 3530 Space Systems Concepts or 3 hrs
  - EAS 4505 Orbital Mechanics 3 hrs

5. Restricted Electives (9 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.
- Select 1:
  - EAS 4700C Aerospace Design I or 3 hrs
  - EGN 4412C Interdisciplinary Design I 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors In Major
- None

Related Programs
- Mechanical Engineering

Certificates
- None

Related Minors
- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
Accelerated Undergraduate-Graduate Programs

- The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that term.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program (B.A. or B.S. / M.A.)

College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://mil.cah.ucf.edu/
E-mail: comdissug@mail.ucf.edu
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor's degree. This enables full-time students to achieve a master's degree in one to two fewer semesters.

Admission Requirements
- Completion of the junior year of course work in communication sciences and disorders
- 3.5 GPA or better in courses in the major
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examinations and a score of at least 500 on the verbal section
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a "B" or better for all 18 credit hours of graduate course work will be formally admitted into the master's program in communication sciences and disorders following receipt of the bachelor's degree

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)
   - None

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (50 hrs)
   - DEP 2004 Developmental Psychology (3 hrs)
   - LIN 3713 Language Science (3 hrs)
   - LIN 3716 Language Development (3 hrs)
   - LIN 3716L Language Development Lab (2 hrs)
   - SPA 3011 Speech Science I: Production (3 hrs)
   - SPA 3011L Speech Production Lab (1 hr)
   - SPA 3101 Physiological Bases of Speech and Hearing (3 hrs)
   - SPA 3104 Neural Bases of Communication (3 hrs)
   - SPA 3112 Basic Phonetics (3 hrs)
   - SPA 3112L Basic Phonetics Lab (1 hr)
   - SPA 3123 Speech Science II: Perception (3 hrs)
   - SPA 3123L Speech Perception Lab (1 hr)
   - SPA 3471 Communication Disorders in Literature and Media (3 hrs)
   - SPA 4032 Audiology (3 hrs)
   - SPA 4321 Audiologic Rehabilitation (3 hrs)
   - SPA 4478 Multicultural Aspects of Communication Disorders & Differences (3 hrs)

Select 1: 3 hrs
- EAB 3703 Principles of Behavior Modification or 4 hrs
- EDF 3303 Learning Environments and Guidance for Young Children or 3 hrs
- EEC 4604 Classroom Management and Guidance of Young Children or 3 hrs
- EEX 4601 Introduction to Behavior Management or 3 hrs
- SPA 3472 Guidance of Young Children with Communication Disorders 3 hrs

Statistics Requirement 6 hrs
- Students have two options in completing this requirement:

Option 1: 6 hrs
- STA 2023 Statistical Methods I and (3 hrs)
- STA 4163 Statistical Methods II (3 hrs)

Option 2: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I (3 hrs)

and 3 hrs
- SPA 4803 Research Methods in Communication Sciences and Disorders

1 In the Accelerated Program, students may elect to enroll in SPA 6805 which replaces SPA 4803.

5. Restricted Electives (0 hrs)
- B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
- B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.
6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

Graduation
- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

8. Electives
- Select primarily from upper level courses after

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of "B" in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should contact a faculty advisor

Related Programs
- Early Childhood Education
- Exceptional Student Education
- Health Services Administration
- Physical Therapy
- Psychology
- Social Work

Certificates
- Language Development and Disorders

Related Minors
- Aging Studies
- Communication Sciences and Disorders
- Early Childhood Education
- Exceptional Education
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted
- Courses taken at community college do not substitute for Upper Division courses

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- SPA 6204  Articulation/Phonological Disorders  3 hrs
- SPA 6402  Preschool Language Disorders  3 hrs
- SPA 6403  School-Aged Language Disorders  3 hrs
- SPA 6410  Aphasia and Related Disorders  3 hrs
- SPA 6503C  Entry-Level Clinical Practicum  3 hrs
- SPA 6805  Research in Communicative Disorders  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

Computer Engineering - Accelerated Undergraduate-Graduate Program
(B.S.P.E. / M.S.P.E.)

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science,
Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Michael Georgioupolous, michaelg@eecs.ucf.edu
Ms. Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)

Computer Engineering: Basic Core
- EGN 1006C  Introduction to the Engineering Profession  1 hr
- EGN 1007C  Engineering Concepts and Methods  1 hr
Accelerated Undergraduate-Graduate Programs

4. Core Requirements: Advanced Level (54 hrs)

Courses Required for the Engineering Core

- EGN 3310 Engineering Analysis-Statics 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Fluids Heat Transfer 3 hrs

Courses Required for the Major (48 hrs)

- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- COP 3503C Computer Science II 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- COP 4600 Operating Systems 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3004 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEL 3801C Computer Organization 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 4768C Computer Architecture 4 hrs
- EEL 4781 Computer Communication Networks 3 hrs

5. Restricted Electives (9 hrs)

- Technical electives should be taken at the 5000 level and are available in the BSPE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)

- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required

- 128

Total Combined Hours Required

- 152

Honors In Major

- None

Related Programs

- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates

- None

Related Minors

- Computer Science
- Engineering Leadership
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary

Advising Notes

- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation.
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
  - Undergraduate students are not eligible to take 6000-level courses.

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses (12 hrs)

- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.eecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Computer Science - Accelerated Undergraduate-Graduate Program (B.S. / M.S.)

College of Engineering and Computer Science

School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346

http://www.eecs.ucf.edu

Dr. Ron Dutton, dutton@eecs.ucf.edu
Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

Admission Requirements

- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 60 credit hours and successful completion of the Foundation Exam.
- Completion of no more than 90 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year for continuation in the program.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements

- None
### 1. UCF General Education Program (GEP) (36 hrs)
- See Computer Science major in the catalog for track specific GEP requirements.

#### A: Communication Foundations

#### B: Cultural & Historical Foundations

#### C: Mathematical Foundations

#### D: Social Foundations

#### E: Science Foundations

### 2. Common Program Prerequisites (CPP) (0 hrs)
- See Computer Science major in the catalog for the CPP requirements.

### 3. Core Requirements: Basic Level (25 hrs)
- A “C” (2.0) or better is required in all courses listed.

#### 4. Core Requirements: Advanced Level (20 hrs)

#### 5. Restricted Electives (15 hrs)

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

#### Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

#### Graduation
- Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

#### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

#### 9. Additional Requirements
- None

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### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Complete an exit survey
- Computer Competency met by completion of major

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Undergraduate Hours Required
- 120

### Total Combined Hours Required
- 138

### Honors In Major
- None

### Related Programs
- Computer Engineering
- Information Technology

### Certificates
- None

### Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology
- Secure Computing and Networks

### Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

#### Shared Courses (12 hrs)
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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**UNIVERSITY OF CENTRAL FLORIDA**

409 Undergraduate Catalog 2010-2011
Accelerated Undergraduate-Graduate Programs

Economics - Accelerated Undergraduate-Graduate
Program (B.A. / M.S.)
College of Business Administration
Department of Economics, Business Administration II,
Room: 305
http://www.bus.ucf.edu/economics
Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu, 407-823-1405
Phone: 407-823-3266

This program is designed for highly qualified majors in Economics who would like to earn undergraduate and graduate degrees in five rather than six years of full-time course work. The program provides students with specialized training in economics within a broad liberal arts education. A minor from several other colleges can be selected according to the student's personal interests and career goals.

Admission Requirements
- Completion of the UCF General Education program or an AA degree from a Florida Public Community College
- See Common Program Prerequisites
- For admission to graduate courses, students must achieve a minimum 3.25 GPA after completion of 80 credit hours and meet the UCF graduate admission requirements as described in the Graduate Catalog.

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Suggested COP 3223 Introduction to Programming with C
   Prefer SPC 1608 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required STA 2023 Statistical Methods I
   Select 1:
   Required MAC 2233 Concepts of Calculus or
   Required MAC 2311 Calculus with Analytic Geometry I
   D: Social Foundations (6 hrs)
   Select 1:
   Prefer ECO 2013 Principles of Macroeconomics or
   Prefer ECO 2023 Principles of Microeconomics
   Select 1:
   Prefer ANT 2000 General Anthropology or
   Prefer PSY 212 General Psychology or
   Prefer SYG 2000 Introduction to Sociology
   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ECO 2013 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics
   3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (16 hrs)
   Undergraduate Major Courses 16 hrs
   ECO 3101 Intermediate Microeconomics
   ECO 3203 Intermediate Macroeconomics
   ECO 4451 Research Methods in Economics

Select one of the following sequences of courses:
MAC 2311 Calculus with Analytic Geometry I and 4 hrs
MAC 2312 Calculus with Analytic Geometry II and 4 hrs
MAC 2313 Calculus with Analytic Geometry III and 4 hrs
STA 4321 Statistical Theory I and 3 hrs
STA 4322 Statistical Theory II 3 hrs
or
ECO 3401 Quantitative Business Tools I and 3 hrs
ECO 3411 Quantitative Business Tools II 4 hrs

5. Restricted Electives (3 hrs)
   - Select any other 3000-4000 level economics course

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literature or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Variable

9. Additional Requirements
   - None

10. Required Minors
    - Completion of a minor in one of the following:
    - Other minors may be selected with prior approval of the Economics Undergraduate Advisor.

    - Computer Science
    - Environmental Studies
    - History
    - Mathematics
    - Political Science
    - Psychology
    - Public Administration
    - Sociology
    - Statistics

11. Departmental Exit Requirements
    - A minimum grade of 2.5 is required for all courses taken in the major and minor.
    - Computer Competence is met by Research Methods course.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
Accelerated Undergraduate-Graduate Programs

Total Semester Hours Required
- 135

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Grades below “C” (2.0) are not accepted
- Courses taken at community college do not substitute for Upper Division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (15 hrs)
- ECO 6118 Microeconomic Theory I 3 hrs
- ECO 6206 Macroeconomic Theory I 3 hrs
- ECO 6403 Mathematical Economics 3 hrs
- ECO 6424 Econometrics I 3 hrs
- ECO 6XXX Economics Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)

College of Engineering and Computer Science
School of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Michael Georgiopoulos, michaelg@eecs.ucf.edu
Ms. Traci Freund, tfreund@eecs.ucf.edu
Phone: 407-882-2313

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Electrical Engineering major in the catalog for track specific GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
- See Electrical Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- Engineering Core: Basic
  - EGN 1006C Introduction to the Engineering Profession 1 hr
  - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (53 hrs)
- Engineering Core: Advanced 12 hrs
  - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major in this area as well as restricted elective courses and the senior design courses listed below. Independent study courses generally do not satisfy major requirements.
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - EGN 3420 Engineering Analysis 3 hrs
  - PHY 3101 Physics for Engineers and Scientists III 3 hrs
  - STA 3032 Probability and Statistics for Engineers GEP

Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major (41 hrs)
- EEE 3307C Electronics I 4 hrs
- EEE 3342C Digital Systems 3 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEE 4309C Electronics II 4 hrs
- EEL 3004 Electrical Networks 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 3552C Analog and Digital Communication Fundamentals 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- EEL 3801C Computer Organization 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs

5. Restricted Electives (10 hrs)
- Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- EEL 4914 Senior Design I 3 hrs
- EEL 4915L Senior Design II 3 hrs

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None
Accelerated Undergraduate-Graduate Programs

10. Required Minors

None

11. Departmental Exit Requirements

CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required

128

Total Combined Hours Required

146

Honors in Major

None

Related Programs

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates

None

Related Minors

- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 5000-level courses

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: Graduate program: hisgrad@mail.ucf.edu
E-mail: Undergraduate program: history@mail.ucf.edu
Dr. Rosalind Beiler, 407-823-2225
Phone: 407-823-2224

Purpose of this degree - This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master’s degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements

- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
- Students will be formally admitted to the master’s program following receipt of the B.A. degree.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- 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- 6000-level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP) (36 hrs)

- See the History major in this catalog for track specific GEP requirements

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 AMH 2010 U.S. History: 1492-1877 GEP
2 AMH 2020 U.S. History: 1877-Present GEP

1 See Transfer Notes for possible substitutes
### 3. Core Requirements: Basic Level

Select one of the following sequences of courses:

<table>
<thead>
<tr>
<th>Course Sequence</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EUH 2000 Western Civilization I and EUH 2001 Western Civilization II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>or WOH 2012 World Civilization I and WOH 2022 World Civilization II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

<table>
<thead>
<tr>
<th>Course Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 4150 History and Historians</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

- Select six hours of approved history courses within three of the four geographic regions:
  - Asian, African, and Middle Eastern
  - British and European
  - Latin American
  - U.S. and Canadian

- Select three hours of approved history courses

- Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

#### Admissions

- Met by graduation requirement.

### 8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

### 9. Additional Requirements

#### Graduate Degree Requirements

- The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
- Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
- After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
- Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
- Students need to pay fees at the graduate rate for the graduate courses they take.

#### Schedule for students enrolled full-time in the accelerated program:

- Students complete nine hours of graduate-level courses their senior year.
- Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.
- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master's thesis in six hours.

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Maintain a minimum GPA of 3.5 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student's written work including, but not limited to, book critiques, in-class essay exams, and term papers.
- Students must complete at least 18 of the required 36 history hours at UCF.
- Computer competency met by completion of the major.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Undergraduate Hours Required

- 120

### Total Combined Hours Required

- 147

### Honors In Major

- None

### Related Programs

- Humanities

### Certificates

- None

### Related Minors

- African American Studies
- American Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Middle Eastern Studies
- Women's Studies

### Advising Notes

- None

### Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses

- None

### Shared Courses

- None

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oed.ucf.edu/alc/academic_learning_compacts.htm
Accelerated Undergraduate-Graduate Programs

Industrial Engineering - Accelerated
Undergraduate-Graduate Program
(B.S.I.E. / M.S.I.E.)

College of Engineering and Computer Science
Department of Industrial Engineering and Management
Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/

Dr. William Thompson, wthompso@mail.ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements

■ See Common Program Prerequisites

■ A "C" (2.0) or better is required in all courses listed.

■ Qualifed students may apply after completion of a minimum of 60 credit hours

Completion of the GRE with a highly competitive score by the end of first semester of the junior year

■ Admission is not automatic. Interested students may need to be interviewed

Degree Requirements

■ None

1. UCF General Education Program (GEP) (38 hrs)

■ See Industrial Engineering major is the Catalog for track specific GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (0 hrs)

■ See Industrial Engineering major is the Catalog for the CPP requirements.

■ See "Common Prerequisites" in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (0 hrs)

Industrial Engineering Core: Basic 2 hrs

■ The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.

EGN 1006C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (58 hrs)

Industrial Engineering Core: Advanced 15 hrs
COP 3223 Introduction to Programming with C 3 hrs
EGN 3310 Engineering Analysis-Statics 3 hrs
EGN 3321 Engineering Analysis-Dynamics 3 hrs
EGN 3373 Principles of Electrical Engineering 3 hrs

Select 1: 3 hrs
EGN 3343 Thermodynamics or
EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major 43 hrs

■ Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A "C" (2.0) or better is required in all courses listed.

EGN 3613 Engineering Economic Analysis 2 hrs
EIN 2000 Introduction to Industrial Engineering and Management Systems 2 hrs
EIN 3314C Work Measurement & Design 3 hrs
EIN 3354 Principles of Cost Engineering 3 hrs
EIN 423C Human Engineering 3 hrs
EIN 4333 Production and Distribution Systems 3 hrs
EIN 4364C Industrial Facilities Planning and Design 3 hrs
EIN 4391C Manufacturing Engineering 3 hrs
EIN 4517 Systems Engineering 3 hrs
EIN 5108 The Environment of Technical Organizations 3 hrs
ESI 4221 Empirical Methods for Industrial Engineering 3 hrs
ESI 4234 Quality Engineering 3 hrs
ESI 4628C Industrial Engineering Applications of Computers 3 hrs
ESI 5306 Operations Research 3 hrs
ESI 5531 Discrete Systems Simulation 3 hrs
STA 3023 Probability and Statistics for Engineers 3 hrs

5. Restricted Electives (3 hrs)

■ Technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements

■ None

7. Foreign Language Requirements

Admissions

■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

■ None

8. Electives

■ None

9. Additional Requirements

■ None

10. Required Minors

■ None

11. Departmental Exit Requirements

■ See Industrial Engineering major is the Catalog for track specific GEP requirements.

■ See Common Program Prerequisites

12. University Minimum Exit Requirements

A 2.0 UCF GPA

■ 60 semester hours earned after CLEP awarded

■ 48 semester hours of upper division credit completed

■ 30 of the last 39 hours of course work must be completed in residency at UCF

■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required 128

Total Combined Hours Required 146

Honors In Major

■ None

Related Programs

■ None

Certificates

■ None

Related Minors

■ None

Advising Notes

■ The following will be waived for this joint degree program:

■ The limit of nine hours to be shared between undergraduate and graduate programs.

■ Undergraduate students taking graduate courses must be within nine hours of graduation

■ Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester

■ Undergraduate students are not eligible to take 6000-level courses

UNIVERSITY OF CENTRAL FLORIDA
Accelerated Undergraduate-Graduate Programs

Mechanical Engineering - Accelerated Undergraduate-Graduate Program
(B.S. / M.S.M.E., M.S.M.S.E., or M.S.A.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Mechanical Engineering major in the Catalog for track specific GEP requirements

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
   EGN 1006C Intro to the Engineering Profession 1 hr
   EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (65 hrs)
   EGM 3601 Solid Mechanics 3 hrs
   EGN 3310 Engineering Analysis-Statics 3 hrs
   EGN 3321 Engineering Analysis-Dynamics 3 hrs
   EGN 3343 Thermodynamics 3 hrs
   EGN 3365 Structure and Properties of Materials 3 hrs
   EGN 3365 Structure and Properties of Materials 3 hrs
   EGN 3373 Principles of Electrical Engineering 3 hrs
   EML 3934C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
   EML 3303C Mechanical Engineering Measurements 3 hrs
   EML 3500 Machine Design and Analysis 3 hrs
   EML 3701 Fluid Mechanics I 3 hrs
   EML 4142 Heat Transfer 3 hrs
   EML 4220 Vibration Analysis 3 hrs
   EML 4312C Feedback Control 3 hrs
   EML 4573C CAD/CAM 3 hrs
   STA 3032 Probability and Statistics for Engineers GEP

- Select one of the following three options for your senior year to complete your BSME:

   Energy Systems Option - 21 hrs
   EML 3101 Thermodynamics of Mechanical Systems and Heat Transfer 3 hrs
   EML 4145 Topics in Heat Transfer and Fluid Mechanics I 2 hrs
   EML 4221C Mechanical Systems Experimental Techniques and CAD/CAM 2 hrs
   EML 4304C Design of Thermo-Fluid Experiment and Analysis 2 hrs
   EML 4703 Fluid Mechanics II and Analysis 3 hrs
   Approved Electives (5000 level course) 9 hrs

   Mechanical Systems Option - 21 hrs
   EGM 3601L Solid Mechanics Lab and UCF 2 hrs
   EML 3262 Kinematics of Mechanisms and Mechanisms 2 hrs
   EML 4221C Mechanical Systems Experimental Techniques and CAD/CAM 2 hrs
   EML 4304C Design of Thermo-Fluid Experiment and Analysis 2 hrs
   Approved Electives (5000 level course) 12 hrs

   Materials Option - 21 hrs
   EMA 3012C Experimental Techniques in Mechanics and Materials 3 hrs
   EMA 3124 Design and Selection of Materials and Manufacturing Processes 3 hrs
   EMA 4102 Thermodynamics and Kinetics of Materials and Manufacturing Processes 3 hrs
   EMA 4223 Fundamentals of Mechanical Behavior of Materials and Manufacturing Processes 3 hrs
   Approved Electives (5000 level course) 9 hrs

5. Restricted Electives (21 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None
11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:

<table>
<thead>
<tr>
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<th>Course Name</th>
<th>Hours</th>
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<tr>
<td>EML 4501C</td>
<td>Engineering Design I</td>
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Select 1:

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<tr>
<td>EML 4502C</td>
<td>Engineering Design II</td>
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12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required

- 128

Total Combined Hours Required

- 146

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Career and Academic Advising

- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.

<table>
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<tr>
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<th>Course Name</th>
<th>Hours</th>
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<td>Mechanical Career and Academic Faculty</td>
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<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty</td>
<td>0 hrs</td>
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</tbody>
</table>

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- Shared B.S.M.E./M.S.M.E., M.S.M.S.E., or M.S.A.E. Up to 12 credit hours of approved 5000 and 6000 level courses with grades of "B" (3.0) or better may be counted towards the B.S. and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. Contact the Graduate Coordinator in the Mechanical, Materials, and Aerospace Engineering department for a list of acceptable courses.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Molecular Biology and Microbiology - UCF/USF Accelerated Medical School (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology,

Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

E-mail: bcbsinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair

Phone: 407-823-5932

Students seeking admission to University of South Florida College of Medicine (USFCOM) through the accelerated program will meet all USFCOM admission requirements and obtain a B.S. in Molecular Biology and Microbiology after completion of the first year of the medical school curriculum.

Admission Requirements

- Students must apply for this program through the Burnett Honors College prior to attending UCF. Eligibility requirements include FL residency, unweighted high school GPA of 3.7 and SAT score of 1300 or ACT of 29. More information about the admission process can be found at http://www.honors.ucf.edu and in catalog: Burnett Honors College: UCF/USF Accelerated Medical School Program.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should consult with a departmental advisor and the Burnett Honors College advisor.
- Grades below a C- (1.75) in the life sciences will not be accepted for students who decelerate.

1. UCF General Education Program (GEP) (36 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing total GEP hours to more than 36.

A: Communication Foundations (9 hrs)

- Required ENC 1101H Honors Freshman Composition I 3 hrs
- Required ENC 1102H Honors Freshman Composition II 3 hrs
- Prefer SPC 1003H Honors Fundamentals of Technical Presentation 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (9 hrs)

Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010X Biology I GEP
BSC 2011X Biology II GEP
CHM 2045C Chemistry Fundamentals I GEP
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
MAC 2311 Calculus with Analytic Geometry I GEP
Select one of the following sequences of courses:

PHY 2053C  College Physics I and  4 hrs
PHY 2054C  College Physics II  4 hrs
or
PHY 2048C  Physics for Engineers & Scientists I and  4 hrs
PHY 2049C  Physics for Engineers and Scientists II  4 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level  (10 hrs)

Life Sciences: Basic
SLS 2311C  Overview of Select Medical Careers  2 hrs

Math, Calculus and Statistics
MAC 2311  Calculus with Analytic Geometry I  GEP
STA 2023  Statistical Methods I  GEP

Chemistry
Take all of the following:  8 hrs
CHM 2210  Organic Chemistry I and  3 hrs
CHM 2211  Organic Chemistry II and  3 hrs
CHM 2211L  Organic Laboratory Techniques I  2 hrs

4. Core Requirements: Advanced Level  (0 hrs)

- Students must select at least two honors sections of upper division core requirements or restricted electives, and a total of four lower division courses in honors.

Life Sciences: Advanced  26 hrs
BSC 3403C  Quantitative Biological Methods  4 hrs
MCB 3020C  General Microbiology  5 hrs
MCB 4912  Directed Independent Research  3 hrs
MCB 4941  Internship  1 hr
PCB 3233L  Immunology Laboratory  1 hr
PCB 3522  Molecular Biology I  3 hrs
PCB 4239  Molecular Immunology  3 hrs
PCB 4524  Molecular Biology II  3 hrs

Chemistry
BCH 4053  Biochemistry I  3 hrs

5. Restricted Electives  (8 hrs)

- Five restricted electives satisfied by first year medical school
PCB 3703C  Human Physiology  4 hrs
ZOO 3733C  Human Anatomy  4 hrs

- Students decelerating to the 4 year B.S. program must take the following additional courses:
MCB 4414  Microbial Metabolism  3 hrs
4 additional Upper Division Restricted Electives listed under Molecular Biology and Microbiology B.S. (minimum)

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives

- None

9. Additional Requirements

Additional USF/UCF Advanced Requirements
IDH 1921H  Honors Symposium II  2 hrs

Select 1:  3 hrs
ENC 3241  Writing for the Technical Professional or  3 hrs
ENC 3241H  Honors Writing for the Technical Professional  3 hrs

10. Required Minors

- None

11. Departmental Exit Requirements

- For decelerated program, the student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Core and Restricted Electives.

- For accelerated program the degree is awarded after successful completion of first year USF Medical School program.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

- Honors In Major
- None

- Related Programs
  - Biology
  - Interdisciplinary Studies

- Certificates
  - None

- Related Minors
  - Biology
  - Chemistry

- Advising Notes
  - None

- Transfer Notes
  - None

- Acceptable Substitutes for Transfer Courses

  - Acceptable substitutes for common program prerequisites if taken prior to transferring to UCF:
    BSC 2011C  Biology I  4 hrs
    CHM 2045C  Chemistry Fundamentals I  4 hrs
    CHM 2045C  Chemistry Fundamentals 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/alc/academic_learning_compacts.htm

- Equipment Fees

  - Part-Time Student: $39 per term
  - Full-Time Student: $78 per term
Accelerated Undergraduate-Graduate Programs

Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Ms. Patricia LeLi, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university.

Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program.
- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit http://www.nursing.ucf.edu/.
- Application to the university must also be submitted by the program application deadline.
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
- Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 3.0.
- All applicants must complete a mandatory accelerated second degree program information session, online or in person, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at http://www.nursing.ucf.edu.
- At least seven (7) of the nine (9) common program prerequisites must be completed by the program application deadline. This includes (Chemistry with Lab, at least 2 other courses from Group A and the remainder from Groups A or B.

Chemistry with Lab
- required with grade of B- or better.

Group A
- grade of B- 92.75 or better

Microbiology with Lab 4 hrs
Anatomy with Lab 4 hrs
Physiology with Lab (or A&P I, II) 4 hrs

Group B
- grade of C or better

Sociology 3 hrs
Psychology 3 hrs
Developmental Psychology 3 hrs
Human Nutrition 2 hrs
Statistics 3 hrs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)

1. UCF General Education Program (GEP) (0 hrs)

A: Communication Foundations

B: Cultural & Historical Foundations

C: Mathematical Foundations

D: Social Foundations

E: Science Foundations

2. Common Program Prerequisites (CPP) (31 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.

1 CHM 1032 General Chemistry 3 hrs
1 CHM 1032L General Chemistry Laboratory 1 hr
1 HUN 3011 Human Nutrition 3 hrs
1 MCB 2004C Microbiology for Health Professionals 4 hrs
1 PCB 3703C Human Physiology 4 hrs
1 SYG 2000 Introduction to Sociology 3 hrs
1 ZOO 3733C Human Anatomy 4 hrs

Select 1: 3 hrs

STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Select 1: 3 hrs

DEP 2004 Developmental Psychology or 3 hrs
SOW 3104 Assessing I: Human Development 3 hrs

1 science prerequisite

3. Core Requirements: Basic Level (0 hrs)

None

4. Core Requirements: Advanced Level (57 hrs)

- Any variation from the following must be approved by the College of Nursing.

Students may petition to waive elective requirement.

NUR 3929 Essentials of Nursing Practice 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr
NUR 3125 Pathophysiology for Nursing Practice 3 hrs
NUR 3145 Pharmacology for Nursing Practice 3 hrs
1 NUR 3167 Accelerated Nursing Research Seminar 1 hr
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3345 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 3634 Community Health Nursing 3 hrs
NUR 3634L Community Health Nursing Clinical 2 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3825 The Role of the Professional Nurse 2 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
Accelerated Undergraduate-Graduate Programs

NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4257 Introduction to Critical Care Nursing 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs
NUR 4637 Public Health Nursing 2 hrs
NUR 4637L Public Health Nursing Clinical 1 hr
NUR 4829 Accelerated Transitioning into Professional Practice as a Leader 3 hrs
NUR 4945L Nursing Practicum 4 hrs

1 Students without a research course on transcript must take NUR 3165 (3 hrs)

5. Restricted Electives (3 hrs)
Nursing Elective 3 hrs
Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
None
Graduation
None

8. Electives
None

9. Additional Requirements
None

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
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
57

Honors in Major
University Honors and Honors in the Major Available

Related Programs
Health Services Administration
Social Work

Certificates
None

Related Minors
Aging Studies
Health Sciences
Health Services Administration
Psychology

Advising Notes
None

Transfer Notes
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other comprehensive chemistry course w/lab) (4 hrs)
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094) or (BSC X085/X086). This is a biological science prerequisite. (6-8 hrs)
- General Microbiology (MCB 3020C) (MCB X010C) w/lab or any Microbiology course w/lab. This is a biological science prerequisite. (4 hrs)
- Developmental Psychology (DEP 2004) or any Human Growth & Development Across Life Span course (3 hrs)
- Human Nutrition with Therapeutic Nutrition course (3 hrs)

Acceptable Substitutes for Transfer Courses
None

Shared Courses
None

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - R.N. to M.S.N. Option (B.S.N. / M.S.N.)
College of Nursing
HPA-1, Room: 220
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
Ms. Barbara Lange, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA.

Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied meeting requirements of both BSN and MSN programs.

Admission Requirements
Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.

All applicants must meet the following criteria:
- Graduate of a state-approved or accredited associate degree or diploma nursing program
- Licensure as a Registered Nurse (RN)
- Completion of UCF general education requirements or an AA degree from a Florida community or state college, including CLAS (or exempt)
- Completion of prerequisites for the RN to BSN nursing program
- Minimum cumulative GPA of 3.0. (all prior college coursework)
- Admitted to UCF undergraduate program
Accelerated Undergraduate-Graduate Programs

- Two professional references addressing qualifications and ability to succeed in graduate school
- Resume
- Letter of Intent/Goal statement
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies Web site for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements
- The MSN is awarded after program completion
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
     Required ENC 1101 Composition I 3 hrs
     Required ENC 1102 Composition II 3 hrs
     Prefer SPC 1508 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     Prefer MAC 1105 College Algebra 3 hrs
     Required STA 2014C Principles of Statistics 3 hrs
   - C: Mathematical Foundations (6 hrs)
     Prefer MAC 1105 College Algebra 3 hrs
     Required STA 2014C Principles of Statistics 3 hrs
   - D: Social Foundations (6 hrs)
     Select 1: 3 hrs
       1 Required PSY 2012 General Psychology or
       1 Required SYG 2000 Introduction to Sociology 3 hrs
     Select 1: 3 hrs
       Required ECO 2013 Principles of Macroeconomics or
       Required ECO 2023 Principles of Microeconomics or
       Required POS 2041 American National Government 3 hrs
     1 One of these courses is required to meet General Education requirements, but BOTH are required nursing program prerequisites.
   - E: Science Foundations (6 hrs)
     Required BSC 2010C Biology I 4 hrs
     Required CHM 1032 General Chemistry 3 hrs
     1 Required CHM 1032L General Chemistry Laboratory 1 hr
   - F: Health Microbiology.
     The student must also take the CHM 1032 lab or its equivalent. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

2. Common Program Prerequisites (CPP) (22 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 CHM 1032 General Chemistry GEP
   CHM 1032L General Chemistry Laboratory 1 hr
   HUN 3011 Human Nutrition 3 hrs
   MCB 2004C Microbiology for Health Professionals 4 hrs
   2 PCB 3703C Human Physiology 4 hrs
   1 PSY 2012 General Psychology GEP
   1 SYG 2000 Introduction to Sociology 3 hrs
   2 ZDO 3733C Human Anatomy 4 hrs
   Select 1: 3 hrs
     1 STA 2014C Principles of Statistics or
     STA 2023 Statistical Methods I GEP
   Select 1: 3 hrs
     DEP 2004 Developmental Psychology or
     SOW 3104 Assessing I: Human Development 3 hrs
   1 Also meets General Education Requirements; applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level (0 hrs)
   - None

4. Core Requirements: Advanced Level (30 hrs)
   - NUR 3155 Nursing Research 3 hrs
   - NUR 3634 Community Health Nursing 3 hrs
   - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 4604L Practicum in Community and Public Health 4 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs

NURSE EDUCATOR / CLINICAL NURSE LEADER TRACKS
   - Take the following 12 credits (nine graduate credits also applied to MSN)
     NGR 5003 Advanced Health Assessment and Diagnostic Reasoning and 2 hrs
     NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (Lab) and 1 hr
     NGR 5141 Pathophysiological Bases for Advanced Nursing Practice and 3 hrs
     NGR 5638 Health Promotion and 3 hrs
     NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs

NURSING LEADERSHIP & MANAGEMENT TRACK
   - Take the following 12 credits (nine graduate credits also applied to MSN)
     NGR 5720 Organizational Dynamics and 3 hrs
     NGR 5800 Theory for Advanced Practice Nursing and 3 hrs
     NGR 5871 Health Care Informatics and 3 hrs
     NUR 3065 Health Assessment and 2 hrs
     NUR 3065L Health Assessment Lab 1 hr

5. Restricted Electives (27 hrs)
   - Upper Division Credit
     - May be met by validation
     NUR 3028 Essentials of Nursing Practice 2 hrs
     NUR 3028L Essentials of Nursing Practice Lab 1 hr
     NUR 3225 Nursing Care of the Adult I 3 hrs
     NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
     NUR 3445 Nursing Care of Families 3 hrs
     NUR 3445L Nursing Care of Families Clinical 2 hrs
     NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
     NUR 4227 Nursing Care of the Adult II 4 hrs
     NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
Accelerated Undergraduate-Graduate Programs

- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

Graduation
- None

8. Electives
- Variable to meet degree requirements.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration

Certificates
- Aging Studies

Related Minors
- Health Sciences
- Health Services Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Shared Courses
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
The University offers five specialized degree programs for students who have graduated from a Florida Community College with an A.S. degree in one of the following five programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing.

Students who wish to transfer to UCF under the provisions of the state-wide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later. (Fall 2003 or later for Criminal Justice) from a Florida public community or state college.

2. Students who graduate with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.

4. Students should write on the front of their application for admission to UCF, “A.S. - B.A./B.S.” or select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

5. Students have the option of completing the state approved general education program at a Florida Community or State College or State University and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

6. Students with Associate in Applied Science (AAS) degrees 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 programs in Nursing or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites. Students are still required to complete all of the components of the Gordon Rule and CLAS prior to graduation from UCF. Students may be required to complete all common program prerequisites for these majors prior to enrollment in upper division course work. The total hours required for the General Education Program (GEP) will be 36 hours, excluding any necessary remediation.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising (407) 823-1509, or the Director of Transfer and Transition Services, (407) 823-2231.

**Applied Science - A.S. to B.S. Track (B.A.S.)**

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies,**

12201 Research Parkway, Room: Suite 101

http://www.regionalcampuses.ucf.edu/

Helen Hill, Director of Regional Campuses, 407-823-4547

The Bachelor of Applied Science, available at selected sites, provides baccalaureate educational opportunities with a curriculum designed to develop competencies in organizational skills, management, and communication. Emphasis will also be placed on the development of skills in critical thinking, problem solving, and ethical decision-making.

Students are allowed to take lower level, general education classes at the campus in Orlando if necessary. Students have the option of completing the state approved general education program at a Florida state or community college or state university and must request an official transcript with “general education requirements met” on the transcript and sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.

If students wish to take an upper division course at the main Orlando campus, they should see a Regional Campus academic advisor. This will be allowed only on a very limited basis and under highly extenuating circumstances. If you have any questions regarding this policy or procedure, please contact the Director of Regional Campuses Advising at 407-823-4547.

(Completion program only for individuals who have a statewide articulated A.S. from a Florida public state or community college.)

**Admission Requirements**

- Completion of an A.S. degree from a Florida public state or community college which included at least 15 hours of transferable general education courses. Other applicants will be given individual review.

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should maintain contact with an academic advisor to guarantee timely completion of all requirements including CLAS, Gordon Rule, Foreign Language Admission and General Education.

1. **UCF General Education Program (GEP)** (36 hrs)

   Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:

   - A: Communication Foundations
     - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations
     - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations
     - C: Mathematical Foundations (6 hrs)
   - D: Social Foundations
     - D: Social Foundations (6 hrs)
   - E: Science Foundations
     - E: Science Foundations (6 hrs)

2. **Common Program Prerequisites (CPP)** (0 hrs)

   - None

3. **Core Requirements: Basic Level** (10 hrs)

   - MAN 3025 Management of Organizations
     - MAN 3025 Management of Organizations (4 hrs)
   - Select 1: (4 hrs)
     - BUL 3130 Legal and Ethical Environment of Business or
     - PLA 3014 Law and the Legal System
       - 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
       - ENC 3241 Writing for the Technical Professional or
     - ENC 3250 Professional Writing (3 hrs)

4. **Core Requirements: Advanced Level** (0 hrs)

   - None

5. **Restricted Electives** (0 hrs)

   - Area of Concentration (Choose one)
   - All tracks are not available at all locations.
### Statewide Articulated A.S. To B.S. Programs

<table>
<thead>
<tr>
<th>Supervision and Administration Track</th>
<th>20 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take all of the following:</td>
<td>20 hrs</td>
</tr>
<tr>
<td>ACG 3082 Accounting For Non-Business Majors and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INP 3004 Industrial/Organizational Psychology and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ISM 3011C Essentials of Management Information Systems and</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3302 Essentials of Human Resource Management for Non-Business Majors and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3354 Employee Training for Non-Business Majors and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023 Marketing</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>Industrial Operations Track</strong></td>
<td>21 hrs</td>
</tr>
<tr>
<td>Students are strongly urged to complete STA 2023 within the general education program.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Take all of the following:</th>
<th>21 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 3010 Introduction to Information Technology and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETL 3116 Applied Engineering Quality Assurance and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3671 Technical Economic Analysis and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETL 4186 Applied Reliability and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETL 4448 Applied Project Management and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETL 4635 Technical Administration and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETL 4640 Operations Management for Technologists</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>Legal Studies Track</strong></td>
<td>18 hrs</td>
</tr>
<tr>
<td>CCJ 3014 Crime in America</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 3024 Criminal Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 2:</td>
<td>6 hrs</td>
</tr>
<tr>
<td>CJG 3010 Corrections and Penology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJE 4014 Police and Society or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CJL 3510 Prosecution and Adjudication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Six additional hours of CCJ, CJC, CJE, CJL, or CJT courses, selected with the aid of an academic advisor</td>
<td>6 hrs</td>
</tr>
<tr>
<td><strong>Health Services Administration</strong></td>
<td>18 hrs</td>
</tr>
<tr>
<td>Take all of the following:</td>
<td>15 hrs</td>
</tr>
<tr>
<td>1 HSA 3111 U.S. Health Care Systems and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180 Organization &amp; Management for Health Agencies I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>2 HSA 4191 Health Care Automation and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201 Community Health and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>3 HSC 4500 Epidemiology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Select 1:</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4508C Quality Management or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4109 Principles of Managed Care or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4502 Risk Management Systems or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4702 Health Sciences Research Methods or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4652 Health Law and Ethics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Information Technology Track</th>
<th>21 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students are strongly urged to complete STA 2023 within the general education program.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Take all of the following:</th>
<th>24 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 CET 2364 Systems Applications in C/C++ and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3383 Applied Systems Analysis I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 3679 Intro to Telephony and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4427 Applied Database I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4663 Computer and Network Security and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4748 Wide Area Networks I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4749 Wide Area Networks II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ETL 4448 Applied Project Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 PR: MAC 1105</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Early Childhood Education Track</th>
<th>21 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take all of the following:</td>
<td>27 hrs</td>
</tr>
<tr>
<td>CET 4663 Computer and Network Security and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CET 4749 Wide Area Networks II and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 3700 Social and Emotional Development of Young Children and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEC 4268 Curriculum Activities in Early Childhood and Classroom Management and Guidance of Young Children and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 3450 Young Children With Special Needs and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EEX 4751 Parent Involvement in Education and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 3310 Early Reading, Writing and Language Arts and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4090 Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 PR: EEC 3700</td>
<td></td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

### 8. Electives

- None

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- None

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors In Major**

- None

**Related Programs**

- None
Statewide Articulated A.S. To B.S. Programs

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Students have the option of completing the state approved general education program at a Florida state or community college or state university and must request an official transcript with “general education requirements met” on the transcript to be sent to the UCF Registrar prior to the student’s graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF’s current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
- Courses taken at community colleges do not substitute for upper division courses.
- Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.
- All students seeking a baccalaureate degree from State of Florida Institution are required to satisfy the CLAS requirement. Transfer students with more than 60 semester hours who have not met the CLAS requirement may be admitted, but they must satisfy the CLAS requirement during their first semester at UCF.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Criminal Justice - A.S. to B.S. Track (B.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.cohpa.ucf.edu/crim.jus/
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep
Phone: 407-823-2603

A.S. to B.S. Track (Completion program only for individuals who have a statewide articulated A.S. from a Florida public state or community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public state or community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- The courses designated in section 1 below may be taken at a Florida community college
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives

1. UCF General Education Program (GEP) (36 hrs)
- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (0 hrs)
- Completed as part of the approved A.S. program
- See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level (0 hrs)
- None

4. Core Requirements: Advanced Level (18 hrs)
- CCJ 3014 Crime in America 3 hrs
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- CJC 3010 Corrections and Penology 3 hrs
- CJE 4014 Police and Society 3 hrs
- CCL 3510 Prosecution and Adjudication 3 hrs

5. Restricted Electives (30 hrs)
- 27 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
- 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 130
Statewide Articulated A.S. To B.S. Programs

Honors In Major
None

Related Programs
Legal Studies

Certificates
None

Related Minors
Legal Studies
Psychology
Public Administration

Advising Notes
None

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study
None

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oead.ucf.edu/alc/academic_learning_compacts.htm

General Business - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration
Department of Management,
Business Administration II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida public state or community college.

Admission Requirements
Completion of a Statewide Articulated A.S. in Business Administration from a Florida public state or community college which is composed of 64 hours of coursework, including at least 24 hours of transferable General Education courses.

Degree Requirements
Must complete all Gordon Rule and CLAS requirements prior to admission to this degree.
Students who change degree programs and select another major must adopt the most current catalog.
Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
Students wanting to major in General Business must apply for admission to the major.
Final exams will be given during Exam Week.
Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
Students must have at least a 2.0 GPA in the major and COB. Students majoring in General Business must earn a grade of "C" (2.0) or better in each course applied toward the major.

1. UCF General Education Program (GEP) (12 hrs)
Students will complete 12 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and may come from the following areas:

2. Common Program Prerequisites (CPP) (18 hrs)

3. Core Requirements: Basic Level (0 hrs)

4. Core Requirements: Advanced Level (32 hrs)
First of subsequent semester in the College of Business Administration:
BUL 3130  Legal and Ethical Environment of Business  4 hrs
ECO 3411  Quantitative Business Tools II  3 hrs
FIN 3403C  Business Finance  4 hrs
GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
GEB 3031L  Cornerstone Lab: Professional Skills for Business  1 hr
GEB 3375  Introduction to International Business  3 hrs
ISM 3011C  Essentials of Management Information Systems  3 hrs
MAN 3025  Management of Organizations  4 hrs
MAR 3023  Marketing  4 hrs

5. Restricted Electives (15 hrs)
Students must take one course from each of the following areas. These five courses are restricted to the courses listed below.
At least two of the following courses must be at the 4000 level.

Finance
FIN 3303  Financial Markets or  3 hrs
FIN 3414  Intermediate Corporate Finance or  3 hrs
FIN 3504  Investment Analysis  3 hrs

Management
GEB 3113  How to Start a Business or  3 hrs
GEB 4435  Moral Foundations of Business or  3 hrs
MAN 3301  Management of Human Resources or  3 hrs
MAN 4240  Organizations: Theory and Behavior or  3 hrs
MAN 4441  Conflict Resolution and Negotiation  3 hrs

Management Information Systems (MIS)
ISM 3253  MIS Techniques or  3 hrs
ISM 4153  Enterprise Information Systems or  3 hrs
ISM 4154  Enterprise Application Development  3 hrs

Marketing
MAR 3403  Sales Force Management or  3 hrs
MAR 3613  Marketing Analysis and Research or  3 hrs
MAR 4156  International Marketing or  3 hrs
MAR 4841  Services Marketing  3 hrs
Statewide Articulated A.S. To B.S. Programs

**Economics**

- ECO 4703 is required. ECP 3203 and ECP 3223 are restricted electives only. With permission of an Economics advisor, any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. This substitution must be petitioned and have written approval.

- ECO 3223  Money and Banking and  3 hrs
- ECP 3203  Labor Economics and  3 hrs
- ECP 4703  Managerial Economics  3 hrs

**A.S. Transfer Courses**

- Twelve credit hours taken under the A.S. to B.S. agreement will be counted toward the degree.

**6. Capstone Requirements**

- MAN 4720  Strategic Management  4 hrs

- This course should be taken in the graduating term and requires the following prerequisites:

  - FIN 3403C  Business Finance  4 hrs
  - GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
  - MAN 3025  Management of Organizations  4 hrs
  - MAR 3023  Marketing  4 hrs

**7. Foreign Language Requirements**

**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**

- None

**8. Electives**

- Must be outside of the College of Business (variable)

**9. Additional Requirements**

- None

**10. Required Minors**

- None

**11. Departmental Exit Requirements**

- None

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 132

**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- None

**Advising Notes**

- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

**Transfer Notes**

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- ACG X001 and X011 will substitute for ACG 2021 at UCF

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- None

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

**Hospitality Management - A.S. to B.S. Track (B.S.)**

**Rosen College of Hospitality Management**

**Department of Hospitality Services, 9907 Universal Boulevard, Orlando, FL 32819**

**E-mail:** hospitality@mail.ucf.edu

Dr. Abraham Pizam, Dean

Phone: 407-903-8000

**Admission Requirements**

- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public state or community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 18 hours of general education and 42 hours of upper division hospitality management course work as determined by an individual plan of study. Below is a sample plan of study

**Degree Requirements**

- None

1. **UCF General Education Program (GEP)**  (18 hrs)

- Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

  - A: Communication Foundations
  - B: Cultural & Historical Foundations
  - C: Mathematical Foundations
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 (3 hrs)

- HFT 1000 Introduction to the Hospitality and Tourism Industry

4. Core Requirements: Advanced Level (27 hrs)

- Hospitality Management Core
  - HFT 3431 Hospitality Industry Managerial Accounting
  - HFT 3540 Guest Services Management
  - HFT 4286 Hospitality Communications
  - HFT 4295 Leadership and Strategic Management in Hospitality Industry
  - HFT 4464 Hospitality Industry Finance
  - HFT 4941 Internship
  - HFT 4944 Practicum

- Select 1:
  - CGS 2100C Computer Fundamentals for Business
  - STA 2023 Statistical Methods I

- Select 1:
  - ECO 2013 Principles of Macroeconomics
  - ECO 2023 Principles of Microeconomics

5. Restricted Electives (15 hrs)

- Students must take 15 credit hours (five courses) of Hospitality Management courses in the restricted electives of the other two degree programs (Restaurant and Foodservice Management B.S. and/or Event Management B.S.) offered by the Rosen College.

- Please note: No more than three courses (nine credit hours) may be taken from the restricted electives of either one of these two other degree programs of the Rosen College of Hospitality Management.

- Specialized Tracks (15 hrs)

- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.

- Theme Park and Attraction Mgmt Track (15 hrs)
  - HFT 3784 Amusement Technology
  - HFT 4532 Managing the Employee Experience in the Theme Park and Attraction Industry
  - HFT 4614 Risk Management in Theme Parks and Attractions
  - HFT 4758 Contemporary Issues in the Theme Park and Attraction Industry
  - HFT 4759 Product Development in Theme Parks and Attractions
  - HFT 4786 Managing the Guest Experience in the Theme Park and Attraction Industry
  - HFT 4787 Operational Issues in the Theme Park and Attraction Industry
  - HFT 4795 Entertainment Arts and Events

- Golf and Club Management Track (15 hrs)
  - HFT 1350 Career & Promotional Development in Golf or Recreation
  - HFT 1356 Concepts and Practices of Golf and Club Management
  - HFT 2359 Design & Maintenance of Golf Equipment
  - HFT 3353 Golf Planning & Operations I
  - HFT 3354 Agronomy for Golf Course Management
  - HFT 3355 Golf Planning & Operations II
  - HFT 3357 Golf Event Operations
  - HFT 3384 Golf and Club Enterprises Management
  - HFT 4358 Golf Course Facility Design

6. Capstone Requirements

- None

7. Foreign Language Requirements

- Admissions
  - State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

- Graduation
  - None

8. Electives

- None

9. Additional Requirements

- Grades of “C-” (1.75) or below do not transfer into the Hospitality Management core or restricted electives.

- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.

- Final exams will be given during Exam Week only.

10. Required Minors

- None

11. Departmental Exit Requirements

- None

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 124

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Florida public state or community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
Statewide Articulated A.S. To B.S. Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Substitution</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 2401</td>
<td>Hospitality Industry Financial Accounting</td>
</tr>
</tbody>
</table>

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)

College of Nursing

HPA-1, Room: 220

http://www.nursing.ucf.edu

E-mail: ucfnurse@mail.ucf.edu

Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Ms. Barbara Lange, RN-BSN Coordinator

Phone: 407-823-2744

Completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida state or public community college. (12/2000 or later)

Admission Requirements

- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
  - A minimum overall undergraduate GPA of 2.5
  - Completion of a Statewide Articulated A.S in Nursing from a Florida public state or community college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later).
  - Individuals who received AS prior to 12/00 or attended school other than a Florida public state or community college should complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for questions regarding prerequisite requirements
- The courses designated in sections 1 and 2 below may be taken at a Florida community or state college or other universities and should usually be completed in the first 60 hours

- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program
- UCF Residency Requirement: 32 hours

1. UCF General Education Program (GEP) (36 hrs)

- Students will complete 18 hours of selected General Education courses as part of the articulated AS. The specific courses will be determined in coordination with 18 hours of General Education courses completed. Students must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing. Students completing the General Education requirements at a Florida community college must complete those courses prior to their last 30 hours at UCF.

2. Common Program Prerequisites (CPP) (19 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- CHM credits. To earn this, the student must also take the CHM 1032 lab. BSC 2010C is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.

3. Core Requirements: Basic Level (0 hrs)

- None
Statewide Articulated A.S. To B.S. Programs

4. Core Requirements: Advanced Level (51 hrs)

UCF Core

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR 3065 Health Assessment</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 3065L Health Assessment Lab</td>
<td>1 hr</td>
</tr>
<tr>
<td>NUR 3165 Nursing Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3634 Community Health Nursing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 3805 Dimensions of Professional Nursing Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4604L Practicum in Community and Public Health Nursing for RNs</td>
<td>4 hrs</td>
</tr>
<tr>
<td>NUR 4637 Public Health Nursing</td>
<td>2 hrs</td>
</tr>
<tr>
<td>NUR 4828 Nursing Leadership, Management and Role Transition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4837 Health Care Issues, Policy, and Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Upper Division Credit 27 hrs

- May be met by validation
- NUR 3028 Essentials of Nursing Practice | 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab | 1 hr
- NUR 3225 Nursing Care of the Adult I | 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice | 2 hrs
- NUR 3445 Nursing Care of Families | 3 hrs
- NUR 3445L Nursing Care of Families Clinical | 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical | 2 hrs
- NUR 4227 Nursing Care of the Adult II | 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice | 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing | 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical | 2 hrs

5. Restricted Electives (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR XXXX Any two upper division nursing electives</td>
<td>6 hrs</td>
</tr>
</tbody>
</table>

6. Capstone Requirements

- None

7. Foreign Language Requirements

- Admissions
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation
  - None

8. Electives

- Variable to meet degree requirements

9. Additional Requirements

Progression Requirements:

- Prior to NUR 3805: RN status or eligible to take NCLEX.
- Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
- Prior to NUR 3634 Community Health Nursing: 1) Be admitted to the Nursing Program; 2) complete general education requirements or A.A. from a Florida Community or State College or University (SUS); 3) complete Nursing prerequisites; 4) satisfy CLAS requirement; and 5) complete foreign language admission requirement.

Other:

- Selected Courses may be offered at regional campuses.
- The RN to BSN course work is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of “C” (2.0) or better
- Cumulative overall GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 128

Honors In Major

- None

Related Programs

- Health Services Administration
- Social Work

Certificates

- Aging Studies

Related Minors

- Health Sciences
- Health Services Administration
- Psychology

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (30 hrs)

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
For example, a freshman composition skills course is offered by 58 different postsecondary institutions. Each institution uses "ENC 101" to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "ENC" means "English Composition," the century digit "1" represents "Freshman Composition," the decade digit "0" represents "Freshman Composition Skills," and the unit digit "1" represents "Freshman Composition Skills I."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalences are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. Note: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on the semester-term systems. For example, 4.0 quarter hours often transfers as 2.67 semester hours.

The Course Prefix
The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses
Section 1007.24(7), Florida Statutes, states:
Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

### Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>No Labor</td>
</tr>
</tbody>
</table>
Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis, and Dissertations.
D. College preparatory and vocational preparatory courses.
E. Graduate courses.
F. Internships, practica, clinical experiences, and study abroad courses with numbers other than those ranging from 900-999.
G. Applied courses in the performing arts (Art, Dance, Interior Design, Music and Theatre) and skills courses in Criminal Justice are not guaranteed as transferable.

Courses at Nonregionally Accredited Institutions

The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled “Courses at Nonregionally Accredited Institutions” that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as every course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Dr. Elliot Vittes, Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2691 or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the internet at http://scns.fldoe.org.

Common Course Numbering System

ABE Agricultural and Biological Engineering
ABT Arabic Culture in Translation or Translation Skills
ABW Arabic Literature (Writings)
ACG Accounting: General
ACD Accounting: Occupational/Technical Variable Paced
ACR HVACR: Heating/Ventilation/AC/Refrigeration: Tech/Trades
ADE Adult Education
ADV Advertising
AEB Agricultural Economics and Business
AEE Agriculture and Extension Education
AER Automotive Mechanics
AFA African-American Studies
AFH African History
AFR Aerospace Studies
AFS African Studies
AGE Agricultural Engineering (Discontinued Effective 2005)
AGG Agriculture - General
AGR Agronomy
AHM Amharic Language
AHT Amhric Culture in Translation or Translation Skills
AHW Amharic Literature (Writings)
AKA Akakan Language
AKT Akakan Culture in Translation or Translation Skills
AKW Akakan Literature (Writings)
ALS Agriculture and Life Sciences
AMH American History
AML American Literature
AMS American Studies
AMT Aviation Maintenance Technology
ANG Anthropology—Graduate
ANS Animal Science
ANT Anthropology
AOM Agricultural Operations Management
APA Applied Accounting
APK Applied Kinesiology
ARA Arabic Language
ARC Architecture
ARO Architectural Design
ARE Art Education
ARH Art History
ARR Autobody Repair and Refinishing
ART Art
AVRT Art, Vocational
ASC Aviation Science: General
ASG Animal Science: General
ASH Asian History
ASL American Sign Language
ASN Asian Studies
AST Astronomy
ATE Animal Science Technology
ATT Aviation Technology: Flight
ATT Aviation Technology: Theory
AVM Aviation Management
AVS Avionics
AYM Aymara Language
BAN Commercial Banking (AIB Courses Only)
BCA Building Construction Apprenticeships
BCC Basic Clinical Clerks (Required)
BCH Biochemistry (Biophysics)
BCN Building Construction
BCT Building Construction Trades
BCV Building Construction: Vocational
BME Biomedical Engineering
BMS Basic Medical Sciences
BOT Botany
BRC Banking Related Courses (Not AIB or IFE)
BSC Biological Sciences
BTE Business Teacher Education
BUL Business Law
CAP Computer Applications
CAS Clinical Audiology and Speech Language Pathology (Disc 800)
CAT Catalan Language
CBH Comparative Psychology and Animal Behavior
CCE Civil Construction Engineering
CCJ Criminology and Criminal Justice
CDJ Computer Design/Architecture
CEG Civil Geotechnical Engineering
CEN Computer Software Engineering
CES Civil Engineering Structures
CET Computer Engineering Technology
CGN Civil Engineering
CGS Computer General Studies
CHD Home Economics: Child Development
CHI Chinese
CHM Chemistry
CHR Chiropractic
CHS Chemistry - Specialized
CHT Chinese Culture in Translation or Translation Skills
CHW Chinese Literature (Writings)
CIS Computer Science and Information Systems
CJB College Level Application in Criminal Justice
CJC Corrections
CJD Criminal Justice Development
CJE Law Enforcement
CJU Juvenile Justice
CJU Criminal Justice Basic Training
(A.A.S or Vocational)
CLJ Law & Process
CJT Criminal Justice Technologies
CLA Classical and Ancient Studies
CLP Clinical Psychology
CLT Classical Culture in Translation or Translation Skills
CMC Corporate Media Communication
CMM Creek/Muskoget/Mikasuki
CNT Computer Networks
COA Home Emomics: Consumer Affairs
COE Cooperative Education
COM Communication
COP Computer Programming
COS Cosmetology
COT Computing Theory
CPO Comparative Politics
CPS Comparative Policy Studies (Multinational)
CPT Cardiopulmonary Technology
CRW Creative Writing
CSP Cosmetology - Specialized
CST Comparative Studies
CTE Home Economics: Clothing and Textiles
CTS Computer Technology and Skills
CVT Cardiovascular Technology
CWR Civil Water Resources
CYP Community Psychology
CZE Czech Language
CZT Czech Culture in Translation or Translation Skills
CZW Czech Literature (Writings)
DAA Dance, Emphasis On Activity
DAE Dance Education
DAN Dance
DAS Daily Science (Discontinued Effective 2005)
DCP Design, Construction and Planning
DEA Dental Assisting
DEC Marketing and Distributive Education
DEH Dental Hygiene
DEM Demography
DEN Dentistry
DEP Developmental Psychology
DES Dental Support
DIE Dietetics
DIG Digital Media
DIM Diesel Mechanics
DSC Domestic Security
DTE Dental Laboratory Technology
DUT Dutch Language
EAB Experimental Analysis Of Behavior
EAP English As A Second Language
EAS Aerospace Engineering
EBO Education: Emotional/Behavioral Disorder
ECH Engineering: Chemical
ECM Engineering: Computer Math
ECO Economics
<table>
<thead>
<tr>
<th>Course Numbering</th>
<th>Description</th>
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<tbody>
<tr>
<td>ECP</td>
<td>Economic Problems &amp; Policy</td>
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<tr>
<td>ECS</td>
<td>Economic Systems &amp; Development</td>
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<tr>
<td>EDA</td>
<td>Educational Administration</td>
</tr>
<tr>
<td>EDE</td>
<td>Education: Foundations and Policy Studies</td>
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<tr>
<td>EDG</td>
<td>Education: General</td>
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<tr>
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<td>Education: Higher</td>
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<td>EDM</td>
<td>Education: Middle School</td>
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<td>EDP</td>
<td>Educational Psychology</td>
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<td>EDS</td>
<td>Education: Supervision</td>
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<td>Engineering: Electrical</td>
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<td>EGI</td>
<td>Education: Gifted</td>
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<td>EGM</td>
<td>Engineering Science</td>
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<td>EGS</td>
<td>Engineering: Support</td>
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<tr>
<td>EHD</td>
<td>Education: Had Of Hearing &amp; Deaf</td>
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<tr>
<td>EIA</td>
<td>Education: Industrial Arts</td>
</tr>
<tr>
<td>EIN</td>
<td>Industrial Engineering</td>
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<tr>
<td>EVN</td>
<td>Education: Industrial/Vocational</td>
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<tr>
<td>ELD</td>
<td>Education: Specific Learning Disabilities</td>
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<tr>
<td>ELR</td>
<td>Prefix Discontinued. All Courses Reassigned</td>
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<tr>
<td>EMA</td>
<td>Materials Engineering</td>
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<td>EMC</td>
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<td>Engineering: Technology and Media</td>
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<td>Education: Physical &amp; Multiple Handicapped</td>
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<td>Industrial/Systems Engineering</td>
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<td>SCW</td>
<td>Serbo-Croatian Literature (Writings)</td>
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<td>SLW</td>
<td>Slavic Literature (Writings)</td>
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<tr>
<td>SMT</td>
<td>Science or Mathematics Teaching</td>
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<td>SNW</td>
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Common Course Numbering System

Courses Numbered 0-999
Depending upon previous background and test scores earned, individual students may be required to complete more than the minimum number of credits required for graduation in their respective programs. Courses numbered less than 1000 (Statewide Common Course Numbers) are sub-collegiate level and may not be counted in meeting degree credit hour requirements for graduation.

Special Courses
In addition to the regular courses listed in this catalog, special courses may be available. Students should consult their academic advisor for details.

Special Undergraduates

Grad
Directed Independent Studies 1906, 2905, 3905, 4906, 5907
Directed Independent Research 4912, 5917
Special Undergraduate Research IDS 3913, 4914
Special Topics/Seminars 1931, 2930, 3930, 4932, 5937
*Internship, Practicums, Clinical Prac 3940, 4941, 5944
Cooperative Education 1949, 2949, 3949, 4949, 5949
Honors Undergraduate Thesis 3970H, 4970H
Honors Directed Reading* 4903H
Honors Directed Reading* 4904H
Study Abroad 4955, 5957

*These courses may be assigned variable credit. Some may be repeated upon approval.

1The Special Graduate Courses are primarily for graduate students, but may be taken by advanced seniors with the consent of their deans.

2Enrollment is limited to those students who are fully admitted to the Graduate Program.

3Enrollment is limited to those students who are admitted into the Co-op program.

Dual Usage of Credit Hours
With the exception of 3 + 2 programs, courses used to meet the requirements of an undergraduate degree cannot typically also be used to meet the requirements of a graduate program. Students should contact their advisor or college for specific program requirements or additional information.

UCF Course Description Legend
PR: (Prerequisite) A course in which credit must be earned prior to enrollment in the listed course.
CR: (Corequisite) A course that must be taken concurrently with, or prior to, the listed course.
CI: (Consent of the Instructor)

Hours Code
Each course listed is followed by a code that shows hours of credit and contact hours.

Example:
ART 2500C CAH-ART 3(2,4)
ART 2500C is offered by the College of Arts and Humanities (CAH), in the Department of Art (ART), carries 3 hours of credit but requires 6 contact hours which consist of 2 hours in class and 4 hours laboratory or field work.

College/School/Department Indicator
Following the course number for each course listed is an indicator denoting the college, school, and department responsible for the course. The college designators are BA = Business Administration, BHC = Burnett Honors College, CAH = Arts & Humanities, COM = Medicine, CON = Nursing, COS = Sciences, ECS = Engineering and Computer Science, ED = Education, HM = Hospitality Management, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<thead>
<tr>
<th>College/School</th>
<th>Department</th>
<th>Abbreviation</th>
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<tr>
<td>BA</td>
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<td>Mechanical/Materials/Aerospace</td>
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<tr>
<td>UGST</td>
<td>Undergrad/Interdisc Studies</td>
<td>INTERDISC</td>
</tr>
</tbody>
</table>
### UCF Courses and Descriptions

#### 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](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.

#### 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.

### Undergraduate Catalog 2010-2011

#### ACG 2021 BA-ACCT 3(3,0)
**Principles of Financial Accounting:**
- **PR:** Sophomore standing and MAC 1105 or equivalent. 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 1105 and consent of Honors. Same as ACG 2021 with honors level content. Occasional.

#### ACG 2071 BA-ACCT 3(3,0)
**Principles of Managerial Accounting:**
- **PR:** ACG 2021 and MAC 1105 or equivalent. The purpose of this class is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

#### ACG 1131 BA-ACCT 3(3,0)
**Financial Accounting Concepts and Analysis:**
- **PR:** Junior Standing. Accounting major or minor, and ACG 2071, with a grade of "C" (2.0) or better. Technical knowledge about accounting measurement, disclosure plus the study of how accounting reports are analyzed, and interpreted by external users. Fall, Spring.

#### ACG 3141 BA-ACCT 3(3,0)
**Intermediate Financial Accounting II:**
- **PR:** Accounting major or minor. ACG 3131 with a grade of "C" (2.0) or better. Accounting theory and practice related to preparation, and interpretation of external financial statements. Fall, Spring.

#### ACG 3361 BA-ACCT 3(3,0)
**Cost Accounting I:**
- **PR:** Junior standing. Accounting major or minor, and MAC 1105, ECO 2013, ECO 2023, and ACG 2071 with a grade of "C". Theory and practice of using accounting information for managerial planning, and control as well as in costing, and pricing decisions. Fall, Spring.

#### ACG 3501 BA-ACCT 3(3,0)
**Financial Accounting for Governmental and Nonprofit Organizations:**
- **PR:** Accounting major or minor, and a grade of "C" (2.0) or better in ACG 3131. Application of financial accounting for governmental and nonprofit organizations. Fall, Spring.

#### ACG 4252 BA-ACCT 3(3,0)
**International Financial and Managerial Accounting:**
- **PR:** Accounting major or minor, ACG 2021, ACG 2071. 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 3141. Financial reporting practices and issues related to consolidated entities including translation of foreign financial statements. Occasional.

#### ACG 4401C BA-ACCT 3(3,0)
**Accounting Information Systems:**
- **PR:** Accounting major or minor. ACG 3131 and CGS 2100C, with a grade of "C" or better. Manual and computer-based accounting information systems. Fall, Spring.

#### ACG 4651 BA-ACCT 3(3,0)
**Auditing:**
- **PR:** Accounting major or minor, ACG 3141, and ACG 4401C with a grade of "C" or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

#### ACG 4671 BA-ACCT 3(3,0)
**Internal Auditing:**
- **PR:** Accounting major or minor, ACG 3121 or ACG 3361. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

#### ACG 4803 BA-ACCT 3(3,0)
**Contemporary Issues in Accounting:**
- **PR:** ACG 3141, ACG 3361, ACG 4401C, TAX 4001. A study of accounting that integrates knowledge gained in previous accounting coursework through critical analysis, practical research assignments, and capstone cases. Fall, Spring.

#### ADE 4382 ED-TLP 3(3,0)
**Teaching Adult Learners in Technical Programs:**
- **PR:** EVT 3365 or CI. Planning for and teaching of adult learners in formal & informal technical settings. Fall.

#### ADV 3008 COS-COMM 3(3,0)
**Principles of Advertising:**
- **PR:** SPC 1608, or SPC 1609, or COM 1000. Overview of the field of advertising; purposes, techniques, the role of agencies, advertisers and the media. Fall, Spring.

#### ADV 4101 COS-COMM 3(3,0)
**Advertising Copywriting:**
- **PR:** AD/P/R majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.

#### ADV 4103 COS-COMM 3(3,0)
**Radio-Television Advertising:**
- **PR:** R/T/V or AD. PR Majors only and ADV 3008 or C.I. Radio and television advertising sales, including interpretation of rate structures, program audiences, and creative approaches to sponsor needs. Fall, Spring.

#### ADV 4300 COS-COMM 3(3,0)
**Advertising Media Planning:**
- **PR:** ADV 3008 and AD/P/R majors. Media planning and buying, including basic media terms, calculations, and resources. Fall, Spring.

#### AFA 2300 CAH-AAS 3(3,0)
**African American Music:**
- **PR:** Comprehensive look at music written and made popular by African Americans. Occasional.

#### AFA 3102 CAH-AAS 3(3,0)
**Black Perspectives: A Multidisciplinary Approach:**
- **PR:** ENC 3102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.

#### AFA 3104 CAH-AAS 3(3,0)
**The Black Intellectual Experience:**
- **PR:** AFA 3102. Interdisciplinary examination of major texts, theories, practices and philosophic foundations in Black intellectual and cultural history. Occasional.

#### AFA 3428 CAH-AAS 3(3,0)
**Malcolm X, Black Nationalism, and Internationalism:**
- **PR:** AFAH 3102. Comprehensive analysis of the social/political thought of Malcolm X and its impact on African American politics. Fall.

#### AFA 3955 CAH-AAS 6(6,0)
**Study Abroad in Eastern Caribbean:**
- **PR:** LAS 4504 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diasporic cultures in the Eastern Caribbean. Occasional.

#### AFA 4105 CAH-AAS 3(3,0)
**Documenting African American Heritage and Life:**
- **PR:** AFA 2104 or Junior standing. Community-based exploration of tools, methods, and techniques of documenting African American life and heritage, focusing on Central Florida black communities. Occasional.

#### AFA 5930 CAH-AAS 3(3,0)
**Topics in African American Studies:**
- **PR:** Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. Occasional.

#### AFH 3100 CAH-HIST 3(3,0)
**African History to 1870:**
- **PR:** C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

#### AFH 3200 CAH-HIST 3(3,0)
**African History Since 1870:**
- **PR:** C.I. Sub-Saharan African history from 1870 to the present. Occasional.

#### AFH 5259 CAH-HIST 3(3,0)
**Colloquium in African History:**
- **PR:** Graduate standing or C.I. Readings on selected topics in African History. May be used in the degree program a maximum of 3 times. Odd Fall.

#### AFH 5806 CAH-HIST 3(3,0)
**The Historiography of Slavery in Africa:**
- **PR:** Graduate standing or senior standing or C.I. Course covers the central issues and controversies in the historiography of slavery in Africa. Occasional.

#### AFR 1101C ECS-AFROTC 1(1,2)
**The Air Force Today I:**
- **PR:** LAS 1104 or Junior standing or C.I. History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. Fall.

#### AFR 1111C ECS-AFROTC 1(1,2)
**The Air Force Today II:**
- **PR:** C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

#### AFR 2130C ECS-AFROTC 1(1,2)
**The Development of Air Power I:**
- **PR:** LAS 2104 or Junior standing. The study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

#### AFR 2131C ECS-AFROTC 1(1,2)
**The Development of Air Power II:**
- **PR:** LAS 2104 or Junior standing. The study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

#### AFR 3220C ECS-AFROTC 3(3,2)
**Air Force Leadership and Management I:**
- **PR:** C.I. Sub-Saharan African institutions and peoples from the earliest time until 1870. Occasional.

#### AFR 3230C ECS-AFROTC 3(3,2)
**Air Force Evaluation and Management II:**
- **PR:** LAS 3220 or C.I. A concluding study of Air Force management fundamentals, including performance evaluation skills. Spring.
UCF Courses and Descriptions

AFR 4201C ECS-AFROTC 3(3,2)

AFR 4210C ECS-AFROTC 3(3,2)

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. Cultural changes in society, utopian 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 Civil War, African-American slave and free societies, Republican Motherhood, impact of industrialization on women's roles, and emergence of women's rights movement. Occasional.

AMH 3561 CAH-HIST 3(3,0)

AMH 3562 CAH-HIST 3(3,0)

AMH 3571 CAH-HIST 3(3,0)

AMH 3572 CAH-HIST 3(3,0)

AMH 3586 CAH-HIST 3(3,0)
History of the Hispanic Minorities in the U.S.: Course begins with 16th century through the modern period. Special emphasis on Chicanos, Puerto Ricans, and Cubans. Occasional.

AMH 3610 CAH-HIST 3(3,0)

AMH 3611 CAH-HIST 3(3,0)
Sport in America Since 1945: PR: AMH 2010, AMH 2020 or C.I. American sport emphasizing the development of professional and collegiate sport since 1945. Odd Fall Spring.

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, 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 4113 CAH-HIST 3(3,0)

AMH 4140 CAH-HIST 3(3,0)

AMH 4160 CAH-HIST 3(3,0)

AMH 4170 CAH-HIST 3(3,0)

AMH 4201 CAH-HIST 3(3,0)

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 Great Awakening; Revolutionary Thought: Romanticism; the American Mind and the Response; Popular Culture and the rise of recreational. Occasional.

AMH 4313 CAH-HIST 3(3,0)
American Culture II: PR: AMH 2010 and AMH 2020, or C.I. The Darwinian Revolution; revolt of the intellectuals; the media explosion; mass entertainment in mass culture; the loss of community, the nuclear age, and presenism. Occasional.

AMH 4375 CAH-HIST 3(3,0)

AMH 4376 CAH-HIST 3(3,0)
U.S. Space History: PR: AMH 2010 and AMH 2020, or C.I. Post World War II US rocketry and space travel with focus on the role of Cape Canaveral/Kennedy Space Center. Occasional.

AMH 4510 CAH-HIST 3(3,0)

AMH 4512 CAH-HIST 3(3,0)

AMH 4513 CAH-HIST 3(3,0)

AMH 4573 CAH-HIST 3(3,0)
Black Militancy in the 20th Century: PR: AMH 2010 and AMH 2020 or C.I. The rise and development of black militant organizations and how these groups have been influenced by hostile foreign entities. Occasional.

AMH 4644 CAH-HIST 3(3,0)

AMH 4650 CAH-HIST 3(3,0)

AMH 4680 CAH-HIST 3(3,0)
Women in American Science: PR: AMH 2010 or AMH 2020. Examines how American society uses Western ideas about sex and gender to define women's roles in science and their influence on their fields. Even Fall.
AMH 5116 CAH-HIST 3(3,0)
Colloquium in U.S. Colonial History: PR: Graduate standing or senior standing or C.I. Reading and discussion of the literature on selected topics in colonial American history. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5137 CAH-HIST 3(3,0)
Colloquium in U.S. Revolutionary Period: PR: Graduate standing or major standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

AMH 5149 CAH-HIST 3(3,0)
Colloquium in Early U.S. History, 1789-1815: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. Occasional.

AMH 5169 CAH-HIST 3(3,0)
Colloquium in Age of Jackson: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

AMH 5176 CAH-HIST 3(3,0)
Colloquium in Civil War and Reconstruction: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Civil War and Reconstruction era. Occasional.

AMH 5219 CAH-HIST 3(3,0)
Colloquium in Late 19th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of late 19th century U.S. Occasional.

AMH 5296 CAH-HIST 3(3,0)
Colloquium in 20th Century U.S.: PR: Graduate standing or senior standing or C.I. Reading and class discussion on selected topics in 20th-century U.S. May be used in the degree program a maximum of 4 times. Occasional.

AMH 5378 CAH-HIST 3(3,0)
History of Technology: PR: Graduate standing or C. I. Introduces the historiography of technology's role in historical events, and society's role in shaping technology. Occasional.

AMH 5391 CAH-HIST 3(3,0)
Colloquium in U.S. Cultural History: PR: Graduate standing or senior standing or C.I. Students will read and discuss a common or diverse body of the significant literature in the field. Occasional.

AMH 5406 CAH-HIST 3(3,0)
Colloquium in American South: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Southern history from colonial origins to the present. Occasional.

AMH 5446 CAH-HIST 3(3,0)
Colloquium in U.S. Frontier: PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

AMH 5515 CAH-HIST 3(3,0)
Colloquium in U.S. Diplomatic History: PR: Graduate standing or senior standing or C.I. A survey of the historical literature of American foreign policy. May be repeated for credit only when course content is different. Fall, Spring.

AMH 5566 CAH-HIST 3(3,0)
Colloquium: Women in American History: PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of Women in American History from colonial time to the present. Occasional.

AMH 5937 CAH-HIST 3(3,0)
AP American History: PR: Graduate standing or senior standing or C.I. Participants will enhance their knowledge of weighing evidence and interpretations presented in historical scholarship with respect to the social, cultural, intellectual, economic, and political-diplomatic history of the U.S. Occasional.

AML 3031 CAH-ENG 3(3,0)
American Literature I: PR: Grade of C (2.0) or better required in ENC 1102 and English majors from beginning through Whitman. Fall, Spring.

AML 3041 CAH-ENG 3(3,0)
American Literature II: PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from Twain to present. Fall, Spring.

AML 3283 CAH-ENG 3(3,0)
Contemporary American Women's Fiction: PR: Grade of C (2.0) or better required in ENC 1102. Literature examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.

AML 3286 CAH-ENG 3(3,0)
Early American Women's Words: PR: ENC 1102. Women's writings in the Americas from the 18th century through the mid-19th century. Occasional.

AML 3613 CAH-ENG 3(3,0)
Narratives of Slavery: PR: Grade of C (2.0) or better required in ENC 1102. Literary representations of New World slavery in the past and the present. Occasional.

AML 3614 CAH-ENG 3(3,0)
Topics in African-American Literature: PR: Grade of C (2.0) or better required in ENC 1102. Literature by and about African-American culture in the United States. May be repeated for credit. Occasional.

AML 3615 CAH-ENG 3(3,0)
Harlem, Haiti, and Havana: PR: Grade of C (2.0) or better required in ENC 1102. A comparative approach to African American and Caribbean writers, focusing on literary styles, historical contexts, and themes such as nationalism, popular music, and folk religion. Occasional.

AML 3640 CAH-ENG 3(3,0)
Native American Literature: PR: Grade of C (2.0) or better required in ENC 1101 and ENC 1102. Native American genres, including traditional oral narratives, ritual and contemporary poetry, autobiography, and the novel. Occasional.

AML 3643 CAH-ENG 3(3,0)

AML 3682 CAH-ENG 3(3,0)
Ethnic Literature in America: PR: ENC 1102. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Occasional.

AML 3682H CAH-ENG 3(3,0)
Honors Ethnic Literature in America: PR: Permission of Honors and ENC 1102H or equivalent credit. Contributions of linguistic and ethnic groups of non-English origin to the literature of the United States. Honors content. Occasional.

AML 4101 CAH-ENG 3(3,0)
American Novel: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. Analysis of major American novelists. Occasional.

AML 4265 CAH-ENG 3(3,0)
Florida Writers: PR: Grade of C (2.0) or better required in ENC 1102 and ENG 3014. This course will examine writers who have lived in and written about Florida, such as Hemingway, Rawlings, Hurston, and Stevens. Occasional.

AML 4300 CAH-ENG 3(3,0)
Major American Authors: PR: Grade of C (2.0) or better required in ENG 3014. A comprehensive study of selected major American literary figures. May be repeated for credit only when course content is different. Fall, Spring.

AML 4304 CAH-ENG 3(3,0)
Whitman and His Heirs: PR: Grade of C (2.0) or better required in ENG 3014. The work of American poet, Walt Whitman (1819-1892), and his influence on modern American poetry. Occasional.

AML 4321 CAH-ENG 3(3,0)
Modern American Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern American literature. Occasional.

AML 4630 CAH-ENG 3(3,0)
Latino/Latina Literature: PR: Grade of C (2.0) or better required in ENG 3014. U.S. literature by writers from Latino and Latina backgrounds. Occasional.

AML 5076 CAH-ENG 3(3,0)
American Literature Colonial to Contemporary: PR: Graduate status or senior standing or C.I. Intended for graduate students and future teachers of American literature, this course surveys texts produced in America from the colonial period to the present. Occasional.

AML 5156 CAH-ENG 3(3,0)
Modern American Poetry: PR: Graduate status or senior standing or C.I. Study of trends, modes, major figures (Eliot, Pound, H.D., Lawrence, Stevens, Hart, Crane, Moore, Williams) within the Modernist movement in American poetry. Occasional.

ANG 5100 COS-ANTHRO 3(3,0)
Archaeological Sciences: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Field and laboratory methods routinely used in archeology and forensic archeology, including instrumentation. Occasional.

ANG 5166 COS-ANTHRO 3(3,0)
Problems in Maya Studies: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. The study of Maya writing, the translation of Maya hieroglyphs, and the significance of translations to reconstructions of ancient Maya culture. Occasional.

ANG 5191 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-and-ancestor and modern. Occasional.

ANG 5228 COS-ANTHRO 3(3,0)
Maya Iconography: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Study and interpretation of ancient Maya iconography as reflected in art, artifacts, and constructed features. Odd Spring.

ANG 5272 COS-ANTHRO 3(3,0)
Culture, Power and Development: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. 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 GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.
ANT 3363 COS-ANTHRO 3(3,0)
Anthropology of Japan: PR: or CR: ANT 2000 or C.I. An examination of Japan's culture and its contemporary behavioral and organizational patterns by drawing upon archaeology, cultural history, linguistics, cultural anthropology, and social organization. Occasional.

ANT 3393 COS-ANTHRO 3(3,0)
American Indian Literature and Culture in Floridan Enclaves: PR: ANT 2511 or C.I. Archaeological interpretation of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.

ANT 4184 COS-ANTHRO 3(3,0)
Mortuary Archaeology: PR: ANT 2000, or ANT 2410, or ANT 2511 or C.I. Archaeological interpretation of death; basic data collection, skeletal analysis, and comparative study of mortuary ritual - both ancient and modern. Occasional.

ANT 4266 COS-ANTHRO 3(3,0)

ANT 4274 COS-ANTHRO 3(3,0)
Anthropological Perspectives on Human Growth: PR: ANT 2000 or ANT 2511 or C.I. Evolutionary, ecological, historical and cultural perspectives on human growth, maturation, and aging. Odd Fall.

ANT 4528C COS-ANTHRO 5(3,3)
Advanced Forensic Anthropology: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspectives on human skeletal remains. Prerequisite: Successful completion of 3000 or 4000 level course. Fall, Spring.

ANT 4560 COS-ANTHRO 3(3,0)
Anthropological Perspectives on Human Evolution: PR: ANT 2000 or ANT 2511 or C.I. Evolutionary, ecological, historical and cultural perspectives on human growth, maturation, and aging. Odd Fall.

ANT 4586 COS-ANTHRO 3(3,0)

ANT 4702 COS-ANTHRO 3(3,0)
Culture, Power and Development: PR: ANT 2000, or SYG 2000, or PSY 2012 or C.I. Anthropological perspectives on human development and power in historical and contemporary contexts.

ANT 4802 COS-ANTHRO 3(3,0)

ANT 4824 COS-ANTHRO 9(0,0)
Advanced Archaeological Fieldwork: PR: Students admitted only with permission of instructor. Supervised archaeological fieldwork. Spring.

APA 3471 BA-ACCT 3(3,0)

APK 2131C ED-CFCS 3(1,2)
TriFit Training: Principles and practices of the three disciplines comprised of the triathlon. Students provide all personal equipment, including bicycle, helmet, swim goggles. Fall, Spring.

APK 3132 ED-CFCS 9(3,0)
Triathlon Training and Performance: PR: PEM 2104 Personal Fitness or C.I. Triathlon concepts, training, and performance, leading to the development of optimal fitness and an improved healthy lifestyle. Occasional.

APK 3400 COS-PSYCH 3(3,0)

APK 4315 HPA-HP 3(3,0)
Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.
UCF Courses and Descriptions

AR 2201 CAH-LANG  3(3,0)
Intermediate Arabic II: PR: AR 2200 (Intermediate Arabic I). Equivalent or C.I. Continuation of AR 2200 with emphasis on Arabic cultures. Fall, Spring.

AR 3181 CAH-CAH  3(3,0)
Advanced Topics in Digital Architecture: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

AR 3320L CAH-CAH  6(0,9)
Architectural Design 5: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I. Investigates architectural design and its relationship to regional contextual influences through a range of projects which vary in scale and complexity. Even Fall.

AR 3321L CAH-CAH  6(0,9)

AR 3463 CAH-CAH  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.

AR 3503 CAH-CAH  3(3,0)
Architectural Structures: PR: Completion of Articulated Pre-Major: Architecture A.A. at Valencia Community College West or C.I.; CR: ARC 3320L. Principles of structural behavior in resisting gravity and lateral forces. Considers structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

AR 3610 CAH-CAH  3(3,0)
Environmental Technology 1: PR: ARC 3321L. Principles and practices relating to control of the thermal, atmospheric environment and plumbing in buildings. Odd Spring.

AR 3743 CAH-CAH  3(3,0)
Architectural History 3: PR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1850, including architect’s role in civil society and theoretical positions of architects and architectural schools. Even Fall.

AR 4220 CAH-CAH  3(3,0)
Architectural Theory 2: PR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

AR 4322L CAH-CAH  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.

AR 4323L CAH-CAH  6(0,9)
Architectural Design 8: PR: ARC 4322L. Architecture designs focus on architectural detail and articulation. An investigation of landscape provides the context for this study. Even Spring.

AR 4620 CAH-CAH  3(3,0)

AR 2000 ED-CFCS  3(3,0)
Early Childhood Art and Creativity: An examination of cognitive development in children’s artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee: $5.00

AR 3944 CAH-ART  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-TLP  3(3,0)
Art for Exceptionalities: PR: EDG 4323 and at least junior standing or C.I. Concepts, principles, and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

ARE 4262 CAH-ART  3(3,0)
Methods in Art Administration: PR: AREH 3820. Theories and methodologies for designing, implementing and administering programs for a variety of populations. Occasional.

ARE 4313 ED-TLP  1(1,0)
Art in the Elementary School: PR: EDF 2050: CR: MUE 3210, HLP 4722, RED 4519, MAE 4325, and EDE 3942. Basic principles, purposes, scope and sequence; organization for instruction; evaluation of activities; selected art experiences. Fall, Spring. M&S fee: $5.00

ARE 4351 ED-TLP  3(2,1)
Teaching Art in the Elementary School: PR: EDF 4214 and EDG 4233. Transition from university art studio practices to public school teaching of art. Organization, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall. M&S fee: $5.00

ARE 4352 ED-TLP  3(2,1)
Teaching Art in the Secondary School: PR: EDF 4214 and EDG 4233. 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-TLP  3(3,1)
Teaching Art Appreciation & Criticism in the Classroom: PR: Permission. 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: $5.00

ARE 4453 ED-TLP  3(3,0)
Studio Experiences in Art Education: PR: Completion of all Art Education Program Prerequisites or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring. M&S fee: $5.00

ARE 4945 CAH-ART  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 5251 ED-TLP  3(2,1)
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-TLP  3(2,1)
Arts in Recreation: PR: Permission. Art activities and experiences appropriate for use in playground, leisure services, occupa- tional orientation and other recreational areas. Occasional.

ARE 5359 ED-TLP  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-TLP  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: $5.00

ARE 5648 ED-TLP  3(3,0)
Contemporary Visual Arts Education: PR: ARE 4443 or C.I. Contemporary study of current programs and innovations in public school Visual Arts Programs. Occasional.

ARH 2050 CAH-ART  3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H CAH-ART  3(3,0)
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-ART  3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 18th century. Fall, Spring.

ARH 2051H CAH-ART  3(3,0)
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 18th century, with honors-level content. Occasional.

ARH 2500 CAH-ART  3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-ART  3(3,0)
Happenings and Conceptual Art: CR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" in its attempt to transcend customary distinctions between life and art. Occasional.

ARH 3471 CAH-ART  3(3,0)
Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-ART  3(3,0)
African Art: PR: Junior status, ARH 2050, or C.I. Art objects produced in Africa and Afro-Caribbean sites; with some consideration of arts of the African Diaspora. Occasional.

ARH 3570 CAH-ART  3(3,0)
Ceramics of the Muslim World: PR: ARH 2050 or C.I. Islamic Art and the stylistic and technical characteristics of the period, in contrast to pre-Islamic or other civilizations such as the ancient Greeks, Egyptians, Babylonians, and Chinese. Occasional.

ARH 3610 CAH-ART  3(3,0)
American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

ARH 3631 CAH-AAS  3(3,0)

ARH 3632H CAH-ART  3(3,0)

ARH 3670 CAH-ART  3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin American societies. Occasional.

ARH 3673 CAH-ART  3(3,0)
Modern Art of Mexico: PR: ARH 2050 or ARH 2051 or C.I. Modern art of Mexico from the Mexican Academy post-independence to the 1980’s. Occasional.

ARH 3674 CAH-ART  3(3,0)
ART 3737C CAH-ART 3(2,4)
Narrative Sculpture: PR: ART 2201C, ART 2203C, ART 2202C, and ART 2303C. Aesthetics of sculpture incorporating narrative content and referencing historical contexts. May be repeated for credit. Occasional.

ART 3761C CAH-ART 3(2,4)

ART 3764C CAH-ART 3(2,4)
Ceramic Handbuilding I: PR: Junior standing. Application of a variety of ceramic handbuilding procedures, including design, glaze application and firing process. Occasional. M&S fee: $35.00

ART 3833C CAH-ART 3(2,4)

ART 3833C CAH-ART 3(4,2)
Processes and Ideas in Art: PR: Junior Standing. This course is designed to complete the development of individual creativity and the generation of new insights concerning artistic expression. These “formative activities” must be manifested by students in the forms of small sculptures and/or other forms of creativity. Occasional.

ART 3950 CAH-ART 0(0,0)

ART 4132C CAH-ART 3(2,4)

ART 4710C CAH-ART 3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2071C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall, Spring. M&S fee: $45.00

ART 4765C CAH-ART 3(2,4)
Ceramic Handbuilding II: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, ART 2754C, and a satisfactory portfolio review or C.I. Technical skills in manipulating form, function, volume, color and surface texture. Occasional. M&S fee: $35.00

ART 4780C CAH-ART 3(2,4)

ART 4783C CAH-ART 3(2,4)

ART 4786C CAH-ART 3(2,4)

ART 4935 CAH-ART 3(3,1)
BFA Exhibit/Exhibit: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, must complete Studio course for BFA, and a satisfactory portfolio review or C.I. This course is designed to prepare B.F.A. students for B.F.A. Exhibition. Spring. M&S fee: $15.00

ART 4945L CAH-ART 6(0,6)
Advanced Design Lab: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. An interdisciplinary practicum where students design and develop visual solutions for real world clients in partnership with industry. Occasional.

ART 4954 CAH-ART 3(3,0)
Scotland Study Abroad: PR: ART 2823, ART 2201C or ART 2301C. Study abroad in Edinburgh, Scotland. May be repeated for credit. Occasional.

ART 4971 CAH-ART 3(2,4)
Senior Thesis: PR: Senior Standing, Art major, and C.I. A capstone thesis for Art Apprenticeship. May be repeated for credit. Occasional. M&S fee: $45.00

ART 5109C CAH-ART 3(3,0)
Multi-Cultural Crafts Design: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C, graduate status or senior standing, or C.I. This content of this course will include an appreciation for and the production of Western and Non-Western art forms. Occasional.

ART 5280C CAH-ART 3(3,3)
Serial Content and Classic Form I: PR: Admission to MFA. Studio course exploring serial imaging history, typography, design, and the computer as sequenced design concepts and tools. Fall. M&S fee: $45.00

ART 5284 CAH-ART 3(3,0)
Design Theory and Methods: PR: Admission to MFA. Introduction to semiotic theory, communication theory, perceptual codes, human factors and visual rhetoric. Fall. M&S fee: $45.00

ART 5670C CAH-ART 3(2,4)
Digital Illustration: CR: ART 6883C. Methods and media effects usually associated with traditional illustration in a digital platform. Spring. M&S fee: $45.00

ART 5694 CAH-ART 3(3,0)
Ceramic Cultural Electronic Art and Design: PR: Admission to MFA. Explores digital/electronic art and technology from mid 20th century to present. Explores key electronic artists and issues of the "arts electronica" into the present. Spring.

ART 5695 CAH-ART 3(3,0)
Art. Design and Human Interactions: PR: Approval to MFA. Exploration of design of interface systems and technologies in contemporary society and culture including place making, way finding, electronic interface design, and publication design. Spring.

ART 5698 CAH-ART 3(3,0)
Digital Sculpture I: PR: ART 5910 and ART 5280C and ART 5694, or C.I. Digital reproduction of studio works. Fall, M&S fee: $45.00

ART 5745 CAH-ART 3(3,0)
Physical and Virtual Sculpture: PR: Acceptance to MFA in Studio Art and the Computer or C.I. A course exploring historical (tactile) and contemporary (virtual) approaches to the creation of 3D sculptural objects. Occasional.

ART 5811C CAH-ART 3(3,1)
The Professional Practice of Art: PR: ART 2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing, or C.I. A Seminar class on political information pertaining to professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall. M&S fee: $45.00

ART 5910 CAH-ART 3(3,0)
Studio Concentration I: PR: Admission to MFA. Course is the primary for production of work in studio. Students will meet periodically with faculty to discuss progress. Professor will meet with the whole class periodically in order to facilitate a group critique of work completed. May be used in the degree program a maximum of 3 times. Fall, Spring. M&S fee: $45.00

ART 5934 CAH-ART 3(3,0)

ART 5941 CAH-ART 1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST 3(3,0)
Islam and Its Empires: PR: Junior standing or C.I. History of the Middle East and North Africa from the birth of Islam to the 18th century. Occasional.

ASH 3223 CAH-HIST 3(3,0)
The Modern Middle East: PR: Junior standing or C.I. History of the Middle East and North Africa from the 16th century to the present. Occasional.

ASH 4233 CAH-HIST 3(3,0)
Ottoman Empire: PR: WOH 2012 and WOH 2022. History of the Ottoman Empire from its origins in the 13th century to its collapse after WWI. Occasional.
ASH 4243 CAH-HIST 3(3,0)
History of Iraq: PR: WOH 2012 and WOH 2022. Modern Iraq: history drawn from a set of internatetion language studies that focus on the political and legal compo-
nents of the Iraqi state. Occasional.

ASH 4304 CAH-HIST 3(3,0)

ASH 4402 CAH-HIST 3(3,0)

ASH 4404 CAH-HIST 3(3,0)

ASH 4442 CAH-HIST 3(3,0)
Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War I; Japanese militarism; World War II; and U.S. occupation. Occasional.

ASH 5227 CAH-HIST 3(3,0)
The Arab-Israeli Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israeli conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5408 CAH-HIST 3(3,0)
Collection in Modern China: PR: Graduate status or senior standing or C.I. Course explores works of scholar-
ship 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.

ASL 2140 HPA-COM SC&DIS 4(4,0)
Introduction to American Sign Language: Development of ASL vocabulary and grammar. Deaf cul-
ture, literature, research examined. Fall, Spring.

ASL 2150 HPA-COM SC&DIS 4(4,0)
Intermediate American Sign Language: PR: ASL. ASL. Expansion of ASL vocabulary with increased
ranging of language studies that focus on the political and legal compo-
nents of the Iraqi state. Occasional.

ASL 4435 HPA-COM SC&DIS 3(3,0)
Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to re-
peetive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

ASL 4700 HPA-COM SC&DIS 3(3,0)
Literature of Signed Languages: PR: ASL 250L. Overview of literature produced by Deaf communities
across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

AST 2002 COS-PHYS 3(3,0)
Astronomy: PR: High school algebra or MAC 1105. Descriptive survey of solar system, galaxies and universe;
physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Fall, Spring.

AST 2002H COS-PHYS 3(3,0)
Honors Astronomy: PR: Permission of Honors. Descriptive survey of solar system, galaxies and universe;
physical properties of stars, H-R diagram, stellar evolution, black holes, neutron stars. Honors level content. Occasional.

AST 2002L COS-PHYS 1(0,3)
Astronomy Lab: CR: AST 2002. Laboratory experi-
cences covering selected topics in astronomy related to AST 2002. Occasional. M&S fee: $30.00

AST 2037 COS-PHYS 3(3,0)
Life in the Universe: A thought provoking journey through solar system environments and extrasolar planets to establish the probability of life on other planets in our solar system and beyond. Occasional.

AST 2720L COS-PHYS 3(3,0)
Astronomy Techniques: PR: AST 2002. Introduction to basic astronomical equipment and observing tech-
iques, safety issues, and security practices needed during Public Viewing Nights at the Robinson Observatory. Fall, Spring.

AST 3110 COS-PHYS 3(3,0)

AST 3211 COS-PHYS 3(3,0)

AST 3302 COS-PHYS 3(3,0)
Galaxies and Cosmology: PR: AST 2002 and PHY 2048C. Study of the different types of galaxies, their evolu-
tion, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.

AST 3722C COS-PHYS 3(3,0)
Techniques of Observational Astronomy: PR: AST 2002, PHY 2048C. Fundamental principles and tech-
iques used in planning, reducing, and analyzing modern astronomical observations. Numerical treatment of photom-
etry, spectroscopy, and CCD images. Even Spring.

AST 4142 COS-PHYS 3(3,0)

AST 4152 COS-PHYS 3(3,0)
Planetary Geophysics: PR: AST 2002, PHY 2053C, and Senior standing or C.I. Physics of planetary inter-
tation, planetary interiors, and planetary surface processes. Even Fall.

AST 4501 COS-PHYS 3(3,0)
Celestial Mechanics: PR: PHY 2048C, AST 2002. The orbital motions of celestial bodies, including orbit cal-
culation, perturbation theory, and Hohmann transfer orbits. Occasional.

AST 4700 COS-PHYS 3(3,0)
Experimental Methods in Astronomy: PR: AST 2002, PHY 2048C, and Senior standing, or C.I. Experimental design and experimental techniques in astronomy and astrophysics; spherical astronomy; physics of telescopes and of common astronomical detectors; astronomical quant-
ification and interpretation of light. Even Spring.

AST 4762 COS-PHYS 3(3,0)
Astronomical Data Analysis: PR: MAC 2233, ability to write simple computer programs, and an upper
level course in astronomy or planetary science, or C.I. Astronomical data formation, detection, phys-
ics, measurement extraction, error analysis, modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.

AST 5154 COS-PHYS 3(3,0)
Advanced Planetary Geophysics: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Celestial mechanics, planetary interiors, and planetary surface processes. Even Fall.

AST 5165 COS-PHYS 3(3,0)
Planetary Atmospheres: PR: Mechanics PHY 3220 and Modern Physics 3123, graduate status or senior stand-
ing, or C.I. This course will examine the physical and chem-
ical processes that govern the behavior of the atmosphere of Earth and the other planets. Occasional.

AST 5263 COS-PHYS 3(3,0)
Advanced Observational Astronomy: PR: Graduate standing in the Physical Sciences, or C.I. Advanced experimental science in cosmology and stellar evolution. Occasional.

AST 5354 COS-PHYS 3(3,0)
Extraterrestrial Planets and Brown Dwarfs: PR: Admission to Physics M.S. or Physics Ph.D., or C.I. Substellar-mass objects, their formation, evolution, dynam-
ics, detection, and environments. Odd Spring.

AST 5765 COS-PHYS 3(3,0)
Advanced Astronomical Data Analysis: PR: MAC 2233, a 3000-level or higher course in astronomy or physical science, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, modeling, computer program-
matic programming, interpretation, and written and oral presen-
tation of results. Occasional.

BCH 4053 COS-CHEM 3(3,0)

BCH 4053H COS-CHEM 3(3,0)
Honors Biochemistry I: PR: CHM 2211 and con-

BCH 4054 COS-CHEM 3(3,0)

BCH 4103L COS-CHEM 3(0,6)
Biochemical Methods: PR: BCH 4053. A laboratory course stressing the application of the chemical arts to the separation, identification, and quantification of materials of biological significance. Spring. M&S fee: $45.00.

BME 5572 ECS-EE 3(3,0)
Biomedical Nanotechnology: PR: EEE 3350 or C.I. Human Physiology, Bioelectric Phenomena and Nanoelectronics for fabrication of biochips for human biomedical applications, self-assembly, bioelectronics, moral and ethical issues. Occasional.

BOT 3018C COS-BIOL 3(1,2)
Culinary Botany Across the Cultures: PR: BOT 3002, Junior standing, or C.I. Cultural food traditions and the connections between plants, people and health; examines the preparation methods that enhance the nutritional values. Occasional. M&S fee: $9.50
BSC 1005L COS-BIOL 3(0,2)
Biological Principles: Honors - CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee: $15.00

BSC 1050H COS-BIOL 3(1,4)

BSC 1050L COS-BIOL 1(0,2)
Biology and Environment Laboratory: CR: BSC 1050. Laboratory to accompany BSC 1050. Fall, Spring. M&S fee: $15.00

BSC 2010C COS-BIOL 4(3,2)

BSC 2010C COS-BIOL 4(3,2)
Biological Principles: PR: BSC 2010C and BSC 2011C, or C.I. The survey of plant kingdom utilizing comparative morphological structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee: $15.00

BSC 3403C COS-BIOL 4(3,6)

BSC 4434C COS-BIOL 4(3,1)
Ecology and Biodiversity: PR: BSC 2010C, MCB 3020C or BSC 2011C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional.

BSC 4503 COS-BIOL 3(0,3)
Plant Physiology: PR: PCS 2023 or C.I. A Study of mechanisms used by plants to cope with the environment. Occasional.

BSC 4503L COS-BIOL 1(0,3)
Plant Physiology laboratory: CR: BSC 4503. The laboratory to accompany BSC 4503. Occasional. M&S fee: $15.00

BSC 4686C COS-BIOL 4(3,3)
Conservation and Management of Native Plants: PR: BSC 4713C, PCB 3043 and/or BSC 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.

BSC 4713C COS-BIOL 5(3,6)

BSC 1005 COS-BIOL 3(3,0)
Biological Principles: A study of various biological factors which affect the health and survival of man in modern society. Designed for non-majors. Fall, Spring.

BSC 1005H COS-BIOL 3(3,0)

BSC 1005L COS-BIOL 1(0,2)
Biological Principles Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee: $15.00

BSC 1050 COS-BIOL 3(3,0)
Biological Principles: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.

BSC 1050H COS-BIOL 3(1,4)

BSC 1050L COS-BIOL 1(0,2)
Biology and Environment Laboratory: CR: BSC 1050. Laboratory to accompany BSC 1050. Fall, Spring. M&S fee: $15.00

BSC 2010C COS-BIOL 4(3,2)

BSC 2010H COS-BIOL 4(3,3)
General Biology Honors: PR: Permission of Honors. Priority given to students whose major requires this course. Basic principles and unifying concepts of modern biology. Introduction to quantitative experimentation using intensive, open-ended labs. Fall, Spring. M&S fee: $24.00

BSC 2011C COS-BIOL 4(3,3)
Biology II: PR: BSC 2010C or C.I. Open only to students whose major requires this course. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee: $20.00

BSC 2011H COS-BIOL 4(2,6)
Honors Biodiversity: PR: Permission of Honors and BSC 2010H or C.I. BSC 2011C for honors students; enhanced by considerable field work, a CD-ROM text, relevant video programs and readings written by authorities in the field. Occasional.

BSC 2420 COS-M&M 3(3,0)

BSC 3403C COS-M&M 4(3,4)
Quantitative Biological Methods: PR: BSC 2010C. MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring. M&S fee: $25.00

BSC 3403H COS-M&M 4(3,4)
Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 COS-M&M 3(3,0)
Biological Principles: PR: MCB 1310, and either CHM 2046 or PHY 2504C. Biological processes in nano scale interactions with elements of physics & engineering. Occasional.

BSC 3949 COS-BIOL 0(0,8)

BSC 4101 COS-BIOL 3(3,0)

BSC 4312C COS-BIOL 4(3,4)
Marine Biology: PR: PCB 3043 and STA 2023. The biological, ecological, physical and chemical aspects of the world's oceans. Even Spring. M&S fee: $45.00

BSC 4422L COS-BIOL 1(4.0,3.12)
Biological Laboratory Techniques: PR: PCB 3043, CHM 2210, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded SU. May be repeated for credit. Occasional.

BSC 4454 COS-BIOL 2(0.2)
Research in Animal Physiology: PR: PCB 4723. Development of research skills in animal physiology through hands-on experimental design, data collection, use of data analysis software, and communication of results. Occasional.

BSC 4821 COS-BIOL 4(4,0)
Marine Ecology: PR: PCB 3043 and PCB 4683 or ZOC 4310 or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4937 COS-BIOL 2(0.2)
Instructional Experiences in Undergraduate Biology: PR: PCB 3053, Biology major with 80 semester hours and 3.0 GPA. Preparation of undergraduate students to more effectively learn through community by facilitating learning in variety of university biology labs. May be repeated for credit. Graded SU. Fall, Spring.

BSC 5258L COS-BIOL 3(0.3)
Tropical Biology Research and Conservation: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Research and conservation in New World tropics, including a field trip to Belize. Tropical biodiversity and forest ecology, integrating conservation strategies in research and communication. Occasional.

BSC 5316 COS-BIOL 3(3.0)
Marine Conservation Biology: PR: BSC 4312C Marine Biology, graduate standing, or C.I. Examine human impacts in marine ecosystems and how humans can become better stewards of these habitats. Odd Spring.

BSC 5332 COS-BIOL 3(3,0)
Invasion Biology: PR: PCB 3043 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(0.9)
Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological techniques and resources necessary for students about to begin thesis research. Individual and small group instruction in current laboratory techniques, literature searches, and hands-on practice of techniques will be stressed. May not be repeated for credit. Occasional. M&S fee: $15.00

BSC 5418 COS-M&M 3(3.0)
Tissue Engineering: PR: Graduate standing. Introduction to Tissue Engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. Occasional.

BSC 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 biogeographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee: $15.00
BTE 4410 ED-TLP 3(3,0)
Course Construction in Business Education: PR: EVT 3365 or C.I. Overview and examination of business curriculum and methodology integrated into the vocational frameworks. Planning and preparation of materials, managing the laboratory and involvement in vocational student organizations. Occasional.

BUL 3530 BA-ACCT 4(4,0)
Legal and Ethical Environment of Business - Honors: PR: Junior standing and business major or minor. Analysis of the law as a dynamic social and political institution in the business environment. Includes contract law, torts, and ethical consideration. Fall, Spring.

BUL 3120H BA-ACCT 4(4,0)
Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(0)

BUL 5332 BA-ACCT 3(0)
Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation. BUL 3330. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(0)
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and ethical environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-CS 3(3,0)
AI for Game Programming: PR: CS Foundation Exam or EEL 4851C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 5066 ECS-CS 3(3,0)
Web Application Authoring Tools: PR: Graduate standing and permission of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for determining which tool is best suited for a particular application environment. Fall.

CAP 5100 ECS-CS 3(3,0)
Human-Computer Interface Design: PR: 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.

CAP 5415 ECS-CS 3(3,0)
Computer Vision: PR: COP 3903C, MAC 2312 and COT 9400. Image formation, binary vision, region growing, and edge detection, shape representation, dynamic scene analysis, texture, stereo and range images, and knowledge representation. Fall.

CAP 5510 ECS-CS 3(3,0)
Bioinformatics: PR: Background in programming languages or molecular biology. This course introduces problems, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECS-CS 3(3,0)
Evolutionary Computation: PR: CAP 4630 or C.I. The course covers the field of evolutionary computing, focusing on the theory and application of genetic algorithms. Spring.

CAP 5610 ECS-CS 3(3,0)

CAP 5636 ECS-CS 3(3,0)

CAP 5725 ECS-CS 3(3,0)
Computer Graphics I: Architecture of graphics processors, display hardware, principles of programming and display software; problems and applications of graphics systems. Spring.

CBH 3003 COS-PHY 3(3,0)

CCE 4003 ECS-CECE 3(3,0)
Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EEL 3330 with a grade of “C” or better. Project delivery systems, construction contracts; estimating and scheduling; ethics and labor issues. Multidisciplinary experience in engineering. Fall, Spring.

CCE 4004 ECS-CECE 3(3,0)

CCE 4034 ECS-CECE 3(3,0)
Construction Estimating and Scheduling: PR: CCE 4003. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CECE 3(3,0)

CCE 5006 ECS-CECE 3(3,0)
Introduction to Construction Industry: PR: Post-bac status or C.I. This class covers construction project evaluation principles and management construction methods for civil and structural systems. Occasional.

CCE 5406 ECS-CECE 3(3,0)

CCE 5515 ECS-CECE 4(4,0)
Mechanical and Electrical Systems for Buildings: PR: C.I. This course covers the design and construction of mechanical and electrical systems for buildings. Research paper required. Occasional.

CCJ 3014 HPA-CJ/L 3(3,0)
Crime in America: A survey of crime and criminality in the United States, with emphasis on crime data, its weaknesses, and types of criminal behavior. Fall, Spring.

CCJ 3024 HPA-CJ/L 3(3,0)
Criminal Justice System: An examination of the components and their interdependence in light of their traditional autonomy. Fall, Spring.

CCJ 3058 HPA-CJ/L 3(3,0)

CCJ 3450 HPA-CJ/L 3(3,0)
The Criminal Justice Manager: PR: CCJ 3024 or C.I. Elements of first-line supervision and executive development. Administrative leadership; its nature; methods, and traits. Recent theories and research in leadership. Occasional.

CCJ 3451 HPA-CJ/L 3(3,0)
Justice System Technology: PR: CCJ 3024 or C.I. An examination of the role of management information systems and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ/L 4(4,0)
Labor Relations in Criminal Justice: PR: CCJ 3450 or C.I. Labor relations, collective bargaining process, employee organizations, and state and federal labor laws. Occasional.

CCJ 3067 HPA-CJ/L 3(3,0)
Victims and the Criminal Justice System: PR: CCJ 3024. Course examines victims as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.
UCF Courses and Descriptions

CCJ 4035 HPA-C/JLS 3(3,0) Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054 HPA-C/JLS 3(3,0) Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4064 HPA-C/JLS 3(3,0) Criminal Justice Dimensions of Genocide: PR: CCJ 3041 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-C/JLS 3(3,0) Crime Analysis: Surveys II: The Punishment of Criminal Behavior: Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. Occasional.

CCJ 4129 HPA-C/JLS 3(3,0) Cultural Diversity in Criminal Justice: PR: CCJ 3064. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-C/JLS 3(3,0) Interviews & Interrogations in CJ: PR: CCJ 3024 (Criminal Justice System) and C.J Major or C.I. The criminal justice interview process including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. Fall, Spring.

CCJ 4226 HPA-C/JLS 3(3,0) Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-C/JLS 3(3,0) Death Penalty: PR: CCJ 3024. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4461 HPA-C/JLS 3(3,0) Organized Crime: An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.


CCJ 4451 HPA-C/JLS 3(3,0) Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4467 HPA-C/JLS 3(3,0) Women and Crime: This course covers women as criminal justice offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.


CCJ 4690 HPA-C/JLS 3(3,0) Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.I. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.
CEN 5077 ECS-CS 3(3,0)

CEN 5326 ECS-CS 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.

CES 4100C ECS-CEC 4(3,3)
Structural Analysis I and Lab: PR: EGN 3533 with a grade of ‘C’ (2.0) or better. Topics in structural mechanics, analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and laboratory exercises on behavior of structures and materials. Fall. Spring. M&S fee: $21.00

CET 2124 ECS-ENT 3(3,0)
Microcomputer Technology I: PR: High level programming language. Microcomputer assembly programming, including overview of architecture and operating system environment. Fall.

CET 2364 ECS-ENT 3(3,0)
Systems Applications in C/C++: PR: MAC 3105 or C.I. Use of C language in control of system processes, DOS and BIOS interfaces, assembly language to assemble programming language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.

CET 3010 ECS-ENT 3(3,0)
Introduction to Information Technology: PR: MAC 1105. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.

CET 3115C ECS-ENT 4(3,2)
Digital Technology: PR: MAC 1105 and C.I. Digital logic gates, memory devices, Karnaugh Maps, combinational logic, arithmetic units, registers and sequential logic. Fall, Spring.

CET 3198C ECS-ENT 3(3,2)
Digital Systems: PR: DC Circuits and Digital Circuits I, Finite State Machines and Algorithmic State Machines, integrated design, synthesis and implementation of a digital system using schematic capture and VHDL. M&S fee: $12.00.

CET 3383 ECS-ENT 3(3,0)
Applied Systems Analysis I: PR: CET 2364 or equivalent. Study of system analysis, design, development and implementation of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALs, PLDs and FPGA’s. Occasional.

CET 3529 ECS-ENT 3(3,0)
Linux/Unix System Admin and Applications: PR: CET 2364 or equivalent, installation, creation and maintenance of file systems, backups, and configuration. Fall, Spring.

CET 3679 ECS-ENT 3(3,0)
Intro to Telephony: PR: EET 3085C or equivalent or C.I. An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. Fall.

CET 4134C ECS-ENT 3(2,4)
Microprocessor Electronics II: PR: Digital Circuits I or C.I. The MC68000 Software architecture programming and hardware architecture are covered in great detail. Assembly language programming interfacing and hardware characteristics as well as applications are covered. Occasional. M&S fee: $45.00

CET 4138C ECS-ENT 3(3,2)
Digital Programmable Devices: PR: CET 3198C or equivalent and C.I. Architecture and applications of various types of programmable logic devices. Design entry methods, e.g. HDL, schematic capture, etc. Lab exercises using PALs, PLDs and FPGA’s. Occasional.

CET 4333 ECS-ENT 3(3,0)

CET 4343C ECS-ENT 3(2,2)

CET 4427 ECS-ENT 3(3,0)
Applied Database I: PR: CET 2364 or equivalent. Design and implementation of data base systems within the concept of central administration, structured data storage. Programming project. May be repeated for credit. Fall, Spring.

CET 4429 ECS-ENT 3(3,0)
Applied Database II: PR: CET 4427. Continuation of CET 4427. Study of hierarchical database system, Programming project is required. May be repeated for credit. Spring.

CET 4483 ECS-ENT 3(3,0)
Intro to Local Area Network Technology: PR: CET 3658C or equivalent or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. May be repeated for credit. Spring.

CET 4505 ECS-ENT 3(3,0)
Applied Operating Systems I: PR: CET 2364. Modifying the operating systems to support new types of devices. Analysis of limitations and strengths of commercial operating systems. Large Industry. O.S. tool box usage. May be repeated for credit. Fall.

CET 4523 ECS-ENT 3(3,0)
Applied Systems Analysis II: PR: CET 3383. Continuation of CET 3383, with emphasis on distributed processing which includes the interfacing of minis, mainframes, software, communications, and data base technology into a responsive information system. Occasional.

CET 4583 ECS-ENT 3(3,0)
Web Based Systems I: PR: CET 2364. Introduction to web systems with emphasis on server configuration, web standards, and portal design. Occasional.

CET 4584 ECS-ENT 3(3,0)
Web Based Systems II: PR: CET 4583. Advanced web technologies and courseware characteristics as well as applications are covered. PR: CET 2364.

CET 4663 ECS-ENT 3(3,0)

CET 4688 ECS-ENT 3(3,0)
Practice of Information Security: PR: CET 4663 and CET 4884 or C.I. Practice in the technical, legal, and management issues of physical, operational, computer and information security by means of an actual consulting assignment. Occasional.

CET 4741L ECS-CS 3(3,0)
Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and communication text books. Occasional.

CET 4748 ECS-ENT 3(3,0)
Wide Area Networks I: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing the networks, choosing appropriate technologies, and evaluating results. Fall.

CET 4749 ECS-ENT 3(3,0)

CET 4882 ECS-ENT 3(3,0)

CET 4884 ECS-ENT 3(3,0)
Security Methods and Practice: PR: CET 2364 or C.I. Computer and information security; how security is designed, implemented, and managed in the public and private sector using technology, policies and leadership. Spring.

CET 4885 ECS-ENT 3(3,0)
Investigative Digital Technology: PR: CET 4663. Forensic and legal issues related to computers and networks. Topics include identifying, analyzing, and interpretation of digital evidence and related legal issues. Fall.

CET 4889 ECS-ENT 3(3,0)
CET 4931 ECS-ENT 3(3,0)

CET 5012 Information and Communications Infrastructure: PR: Graduate standing or C.J. This course provides an overview of information systems in the technology world. Topics include hardware, software, databases, related technologies, and telecommunications systems. Fall.
CGS 3501C ECS-CECE 3(2,3)
Civil Engineering Materials: PR: EGN 3333 with a grade of "C" (2.0) or better, CHM 2046. The characterization of materials used in civil engineering works to include concrete, bituminous, polymers and composite materials. Fall. Spring. M&S fee: $30.00
CGS 4300 ECS-CECE 3(3,0)
Civil Engineering Systems: PR: EGN 3613. MAC 2313; STA 3032. Mathematical techniques commonly associated with operations research and economics which are applicable to the planning, design, and operation of civil engineering systems. Optional.
CGN 4600 ECS-CECE 3(3,0)
Public Works Engineering: PR: ENV 3001 and CWR 3201. An overview of planning, design, operation and maintenance of public works, with emphasis on water and wastewater treatment plants. May be repeated for credit. Optional.
CGS 4808C ECS-CECE 3(2,2)
Civil Engineering Capstone Design: PR: one of the following courses - TTE 4601C, ECS 4080C, CWR 4921C, ENV 4562C, EGN 4901C, or EGN 4608C. An interdisciplinary capstone design experience requiring problem definition, data collection, analysis of alternatives, economic evaluation of alternatives, and oral and written presentation of final design. Fall. Spring.
CGS 5320C ECS-CECE 3(2,2)
Geographic Information Systems: PR: Permission of Department, and may be dropped from the class. Geographical theory and application of Geographic Information Systems to Civil Engineering projects. Optional.
CGS 5504C ECS-CECE 3(2,2)
Civil Engineering: PR: EGN 3365, EGN 3361, or C.I. Structure, properties, and applications of materials used in civil engineering including concrete, steel, asphalt, wood, soils, and composite materials. Optional.
CGS 5506C ECS-CECE 3(2,2)
CGS 1060C ECS-CS 3(2,0)
Introduction to Computer Science: History, typical computer, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Fall. Spring. M&S fee: $15.00
CGS 1060H ECS-CS 3(2,2)
Honors Introduction to Computer Science: PR: Permission of Honors. History, number systems, control and data flow, peripheral components, memory devices, effects of computers on society, applications of computers. Not open to Computer Science Majors. Optional. M&S fee: $15.00
CGS 2100C ECS-CS 3(2,1)
Computer Fundamentals for Business: Uses of computer concepts in the business world, including applications, commercial packages, and the Internet. Not open to Computer Science majors. Fall. Spring. M&S fee: $15.00
CGS 2545C ECS-CS 3(2,1)
CGS 2585C ECS-CS 3(2,1)
CGS 3175 ECS-CS 3(3,0)
Internet Applications: PR: CGS 1060C. HTML coding, use of images, script languages, advanced layout formatting and CSS scripts, introduction to javascript. Fall. Spring.
CGS 3269 ECS-CS 3(3,0)
CGS 4144 ECS-CS 3(3,0)
CGS 5131 ECS-CS 3(3,0)
CHI 1120C CAH-LANG 4(3,3)
Elementary Chinese Language and Civilization I: Designed to initiate the student to the major language skills: listening, speaking, reading and writing. Fall.
CHI 1120H CAH-LANG 4(4,0)
Honors Elementary Chinese Language and Civilization I: PR: Permission of Honors. Introduces the student to Chinese culture through the major language skills: Listening, speaking, reading and writing. Open only to students with no experience in the language. Honors level content. Optional.
CHI 1121C CAH-LANG 4(3,3)
Elementary Chinese Language and Civilization I: PR: CHI 1120C or equivalent. Continuation of CHI 1120C. Spring.
CHI 1121H CAH-LANG 4(4,0)
CHI 2200 CAH-LANG 3(3,0)
Intermediate Chinese I: PR: CHI 1121C or equivalent or C.I. Development of Chinese language skills at the intermediate level. Fall. Spring.
CHI 2201 CAH-LANG 3(3,0)
CHM 1020 COS-CHEM 3(3,0)
Chemical Principles Laboratory: PR: CGS 1060C or equivalent. An introduction to fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course. Fall. Spring.
CHM 2111L COS-CHEM 2(0.6)
Organic Laboratory Techniques I: PR: CHM 2210. Priority will be given to students whose major requires this course. An introduction to the laboratory techniques of organic chemistry, including the preparation, reaction, and analysis of organic compounds. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee: $45.00

CHM 3120 COS-CHEM 3(3,0)
Analytical Chemistry: PR: CHM 2046, CHM 2046L. Classical and instrumental analysis. Choice of preferred analytical methods and techniques is emphasized through applications involving both inorganic and organic systems. Fall, Spring.

CHM 3120L COS-CHEM 1(0.3)
Analytical Chemistry Laboratory: PR: CHM 2046, CHM 2046L, and PR: or CR: CHM 3120. Experimental exercises encouraging hands-on practice of analysis using spectrometric, gravimetric, potentiometric, and photometric methods of analysis including statistical treatment of experimental data. Important: Attendance of the first laboratory session dealing with safety procedures is mandatory, students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Occasional. M&S fee: $25.00

CHM 3410 COS-CHEM 4(3,1)
Physical Chemistry I: PR: CHM 2046, PHY 2049C, and MAC 2312. Rigorous treatment of atomic and molecular structure, thermodynamics, kinetics, and chemical bonding. Fall.

CHM 3411 COS-CHEM 3(3,0)

CHM 3411L COS-CHEM 2(0.6)
Physical Chemistry Laboratory: PR: CHM 3410 and CR: CHM 3411. Classical as well as modern instructional techniques coupled with computer data processing to measure physical properties and determine atomic and molecular parameters. Spring. M&S fee: $41.00

CHM 3422 COS-CHEM 3(3,0)

CHM 4130 COS-CHEM 3(3,0)
Advanced Analytical Laboratory Technique: PR: CHM 2211, CHM 3210 (with a minimum grade of "C" or 2.0) and CR:CHM 3411 or PR:CHM 3422. Modern methods of analysis including electrochemistry, spectroscopy, and separation techniques. Spring.

CHM 4130L COS-CHEM 2(0.6)
Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4130. This course focuses on the experimental exercise of instructional methods of analysis. Successful students will develop practical skills performing experiments based on spectrophotometric and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee: $25.00

CHM 4220 COS-CHEM 3(3,0)

CHM 4610 COS-CHEM 3(3,0)

CHM 4610L COS-CHEM 2(0.6)
Inorganic Chemistry Laboratory: PR: CHM 4610. A study of physical and chemical properties and synthetic techniques in Inorganic Chemistry. Fall. M&S fee: $25.00

CHM 4914C COS-CHEM 1(1,1)
Undergraduate Research Methods: PR: CHM 2211 or CR: CHM 3411. An introduction to literature searching, seminar preparation, and laboratory techniques beyond the scope of typical chemical laboratories. Fall, Spring.

CHM 4930 COS-CHEM 1(1,0)
Chemistry Seminar I: PR: CHM 3120 or C.J. Student selects a topic and an advisor and prepares a draft seminar. Fall.

CHM 4931 COS-CHEM 2(0.6)
Chemistry Seminar II: PR: CHM 4930. Student improves the seminar prepared in CHM 4930 (or an approved alternative) and presents it to the Chemistry Department. Fall, Spring.

CHM 5225 COS-CHEM 3(3,0)
Advanced Organic Chemistry: PR: CHM 3120, 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 3210 and CHM 2211, and graduate status or senior standing or C.I. Determination of chemical structure through interpretation of UV, IR, NMR and Mass Spectra. Occasional.

CHM 5505 COS-CHEM 3(3,0)
Applied Biological Chemistry: PR: CHM 3120, and graduate status or senior standing or C.I. The identification from plants, synthesis, assessment of biodegradability, and design of pharmaceuticals and agrochemicals, as well as the impact of biotechnology in the chemical industry. Occasional.

CHM 5540 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 5541C COS-CHEM 3(1,5)
Techniques in Polymer Science: PR: CHM 2211, and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to expose students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Fall. M&S fee: $45.00

CHM 5580 COS-CHEM 3(3,0)
Advanced Physical Chemistry: CR: CHM 3411, and MAC 2313, and graduate status or senior standing or C.I. Selected topics of thermodynamics, kinetics, quantum mechanics, and structure. Occasional.

CHM 5715C COS-CHEM 2(2,3)
Optical Materials Processing and Characterization Techniques: PR: CHM 3411 and CHM 4610 or equivalent. Glassy, crystals and polymeric materials will be processed and characterized for their properties. Laboratory will emphasize material structure and physical property relationships. Occasional.

CHS 1440 COS-CHEM 3(3,1)
Fundamentals of Chemistry for Engineers: PR: One year of high school chemistry or CHM 1032. Basic concepts of chemistry, with emphasis on problem solving and engineering applications. Atomic and molecular structure, states of matter, stoichiometry, equilibrium, electrochemistry, and thermodynamics. The “NC” grading policy applies to this course. Fall, Spring.

CHS 3501 COS-CHEM 3(3,0)
Introduction to Forensic Science: PR: Preference will be given to students whose major requires this course. Intended for majors and non-majors to provide an overview of the specialty areas in the forensic crime lab. Spring.

CHS 3505C COS-CHEM 4(2.6)
Forensic Microscopy: PR: "C" grade or better in CHM 2046 & L, and CHS 3501; and PR: or CR: PHY 2049C. To include the properties of light, color, and use in the identification and comparison of trace evidence. Fall. M&S fee: $45.00

CHS 3511C COS-CHEM 4(2.6)
Trace Evidence: PR: "C" grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used to identify and compare trace evidence. Spring. M&S fee: $45.00

CHS 3514C COS-CHEM 3(2,3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3501 or C.I. Procedures for recognizing, collecting, preserving, and analysis of evidence from a post blast bombing crime scene. May be repeated for credit. Occasional.

CHS 3530C COS-CHEM 4(3,3)
Forensic Analysis of Controlled Substances: PR: "C" grade or better in CHM 2211, or PR: or CR: CHS 3533.2. Study of the identification and instrumental techniques used in identification of controlled substances. Fall. M&S fee: $45.00

CHS 3533 COS-CHEM 2(0.0)

CHS 3539 COS-CHEM 3(3.0)
Forensic Science in the Courtroom: PR: or CR: CHS 3533 and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Fall, Spring.

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 3555 COS-CHEM 3(3.0)
Forensic Analysis of Controlled Substances: PR: "C" grade or better in CHS 3505C & C.I. Concepts and procedures of contemporary forensic biochemistry. Focus on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee: $45.00

CHS 3556C COS-CHEM 3(2,3)

CHS 4200 COS-CHEM 3(3.0)

CHS 4506C COS-CHEM 3(2,3)
Forensic Investigation Technology: PR: A grade of "C" or better in CHS 3506C or C.I. Modern technology applied to forensic investigation. Occasional.

CHS 4515C COS-CHEM 4(2.6)
Forensic Crime Scene Investigation: PR: Grade of "C" or better in CHS 3515C. Procedures for the investigation of arson, explosives, and crime scenes. Occasional.

CHS 4534C COS-CHEM 3(1.6)
CHS 4537 COS-CHEM 2(2,0) Forensic Laboratory Quality Assurance: PR: Grade of C- or better in CHS 3501, CHS 3505C, and CHS 3533 or C.I. Concepts and principles of quality assurance and quality systems management in forensic laboratories. Fall.

CHS 454C COS-CHEM 2(1,3) Fire and Debris Analysis II: PR: CHS 3540C or C.I. Advanced lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in real fire related evidence. Occasional.


CHS 4591 COS-CHEM 4(0,40) Forensic Science Internship: PR: Senior standing, within 8 hrs. of completion of degree requirements, and 2.5 overall GPA. Credit for full-time work (15 weeks; 600 hours) for a professional forensic laboratory. May be repeated for credit. Occasional.

CHS 4615 COS-CHEM 3(0,0) Environmental Chemistry: PR: CHM 2046, senior level in biological, molecular, chemical or engineering sciences, or C.I. Principles of environmental chemistry, survey of environmental law, remediation technologies, industrial practices and environmentally responsible chemistry. Fall. Spring.

CHS 5502 COS-CHEM 3(3,0) Principles of Forensic Science: PR: Admission to Forensic Science M.S program or C.I. Principles of forensic science, crime scene investigation, concepts in physical and biological evidence, evidence collection and transport, discrimination and individualization of evidence. Occasional.

CHS 5503 COS-CHEM 3(3,0) Topics in Forensic Science: PR: Graduate status or C.I. Will include the history of Forensic Science and current issues such as Digital Evidence. Occasional.

CHS 5518 COS-CHEM 3(3,0) The Forensic Collection and Examination of Digital Evidence: PR: Adv topics in Forensic Science, graduate status, or C.I. This course will cover the nature of Digital Evidence collection and examination under the constraints of Law and courtroom procedures. Occasional.

CHS 5596 COS-CHEM 3(0,0) The Forensic Expert in the Courtroom: PR: CHS 3533, CHS 6535, CHS 6536, or C.I. A study of the uses of technically and scientifically trained expert witnesses at trial. Spring.


CIS 4361 ECS-CS 3(3,0) Secure Operating Systems and Administration: PR: COP 4600 or CGS 3763. Understanding operating system security requirements. Design principles and theories, protection methods, access control, authentication, vulnerability, analysis and case studies. Occasional.

CIS 4615 ECS-CS 3(3,0) Secure Software Development: PR: COP 4600 or CGS 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/sec, Java security and Reverse engineering. Occasional.

CIS 5105 ECS-CS 3(3,0) Capacity Planning and Performance Evaluation of Web Services: 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.

CJS 3010 HPA-CJL 3(3,0) Corrections and Penology: PR: CJC 3024 or C.I. Theories, structures, and methods of institutional and non-institutional processing and treatment of convicted criminals and juvenile offenders. Fall, Spring.

CJC 3134 HPA-CJL 3(3,0) Prisons and jails: PR: CJC 3100. An overview and analysis of issues in institutional corrections, focusing on prison and jail history, inmates, guards, administration and management, and programing. Occasional.

CJC 3241 HPA-CJL 3(3,0) Community-Based Corrections: PR: CJC 3024 and CJC 3301 or C.I. An overview and analysis of correction interventions and treatment programs in the community. Occasional.

CJC 4410 HPA-CJL 3(3,0) Correctional Interventions in Criminal Justice: PR: CJC 3014. Intervention techniques used with juvenile and adult offenders in institutional and community-based settings and study of the theoretical foundations. Occasional.

CJC 5020 HPA-CJL 3(3,0) Foundations of Corrections: PR: C.I. Provides an overview of correctional process in U.S., including philosophical foundations and contemporary practices. Occasional.

CJE 4012 HPA-CJL 3(3,0) Criminal Profiling in Criminal Justice: PR: CJC 3014 or C.I. Examinations of criminal profiling undertaken by law enforcement and prosecution authorities which consists of gathering, reviewing and analyzing evidence pertaining to violent crimes. Occasional.

CJE 4014 HPA-CJL 3(3,0) Police and Society: PR: CJC 3024 or C.I. An examination of the varied roles of police in contemporary society. Emphasis is on dynamics of police/citizen interactions and the police subculture. Fall, Spring.

CJE 4174 HPA-CJL 4(4,0) Comparative Justice Systems: PR: CJC 3024 and CJC 3515 or C.I. A survey of contemporary foreign criminal justice and differences emerging from various political, cultural and legal systems. Occasional.

CJE 4352 HPA-CJL 3(3,0) Policy Development in Law Enforcement: PR: CJE 4014. The course is designed to deal with policy development in law enforcement. Major issues of organization, administration, personnel practices and police operations will be addressed. Occasional.

CJE 4410 HPA-CJL 3(3,0) Community Policing: PR: CJC 3014, CJE 4014. The viability of community policing. The theoretical basis for community interventions and the daily operations required by community policing. Occasional.

CJE 4572 HPA-CJL 3(3,0) Justice Agency Operations: PR: CJC 3024 and CJC 3450 or C.I. Elements, functions, and processes essential to the continuum management of various criminal justice agencies, institutions and court systems. Occasional.

CJE 4610 HPA-CJL 3(3,0) Criminal Investigation: PR: CJE 4014. Course acquaints students with basic procedures used in Criminal investigations, purpose of investigations, and ingredients for successful investigations. Fall, Spring.

CJE 4630 HPA-CJL 3(3,0) Serial Murder and Criminal Justice: PR: CJC 3014 or C.I. Study of extent, types, and explanations of serial murder, and responses of the general public, law enforcement, and prosecution. Occasional.

CJE 4654 HPA-CJL 3(3,0) Crime and Place: PR: CJC 3024. Provides an understanding of how physical environmental features influence crime events. Occasional.

CJE 4663 HPA-CJL 3(3,0) Crime Analysis I: PR: CJE 4654. Provides the essential data analysis skills necessary to effectively analyze crime, understand crime data structures and the problems inherent in crime data. Occasional.


CJE 5120 HPA-CJL 3(3,0) Personnel Management in Criminal Justice Organizations: PR: Graduate standing or C.I. This course provides a general overview of the issues and problems in the management of criminal justice agencies with an emphasis on best practices. Spring.


CJC 3014 HPA-CJL 3(3,0) Honors Juvenile Offenders: An Integrative Perspective: PR: Permission of Honors. To provide students with an integrative understanding of the social, psychological, and legal dynamics evident in processing juvenile offenders. Occasional.
CJJ 4564 HPA-CJ/LJS 3(3,0)
Juvenile Justice System: PR: CCJ 3024 and CJL 3510. Examination of programs and institutions including juvenile court process, intake services, and remedial procedures and practices. Occasional.

CJL 3110 HPA-CJ/LJS 3(3,0)
Criminal Law in Action: Basic concepts of criminal law: elements of major crimes, criminal responsibility, defenses, and parties to crime. Fall, Spring.

CJL 3510 HPA-CJ/LJS 3(3,0)
Prosecution and Ammunition: Pr: CCJ 3024 or PLA 3041 or C.I. Examination of structures and goals of offices and prosecution and criminal trial courts, and of the processes of charging, adjudicating, and sentencing defendants. Fall, Spring.

CJL 4010 HPA-CJ/LJS 3(3,0)
Legal Aspects of Policing: Pr: CJE 401A. The legal dimensions of various police decision-making stages; including stops and frisks; arrests; searches and seizures wiretappings; and, interrogations. Occasional.

CJL 4046 HPA-CJ/LJS 3(3,0)

CJL 4410 HPA-CJ/LJS 3(3,0)
Legal Aspects of the Criminal Court Process: Pr: CCJ 3024. The legal dimension of various criminal court decision making stages, including; bail; charging; pretrial hearing; grand jury; pretrial hearings plea hearings; trial; and, sentencing. Occasional.

CJL 4514 HPA-CJ/LJS 3(3,0)

CJL 5049 HPA-CJ/LJS 6(6,0)
International Perspectives on Law and Justice: Pr: C.I. or graduate standing. Examination of the legal and criminal justice systems of other nations and territories through lecture, seminar, research and field visits. Occasional.

CJT 3803 HPA-CJ/LJS 3(3,0)

CJT 3821 HPA-CJ/LJS 3(3,0)
Practical Security Applications: An examination of basic security principles applied to practical specific security situations encountered in the Central Florida area. Occasional.

CJL 4843 HPA-CJ/LJS 3(3,0)
Risk Management in Criminal Justice/Private Security: Pr: SCC 3311. This course examines the concept of risk management in a criminal justice context. Occasional.

CLP 3004 COS-PSYCH 3(3,0)

CLP 3143H COS-PSYCH 3(3,0)

CLP 3143H COS-PSYCH 3(3,0)

CLP 3184 COS-PSYCH 3(3,0)
Women’s Mental Health: Pr: PSY 2012. Social and cultural factors of mental health issues and conditions that are unique to or primarily impact women in the U.S. today. Occasional.

CLP 3302 COS-PSYCH 3(3,0)
Clinical Psychology: Pr: PPE 3003 and CLP 3143. An overview of approaches to psychopathology, methods of clinical assessment, and various approaches to individual and group counseling. Fall, Spring.

CLP 3413 COS-PSYCH 3(3,0)
Contemporary Behavior Therapy: Pr: CLP 3143. Emphasis on the underlying principles and the specific intervention procedures which are utilized in contemporary behavior therapy, including treatment strategies for particular behavior disorders. Occasional.

CLP 3467C COS-PSYCH 3(2,2)
Interpersonal Effectiveness and Group Psychotherapy: Pr: PSY 302. Psychological aspects of interpersonal relationships, the rationale for group therapy, and strategies for enhancing interpersonal skills and personal growth. Occasional.

CLP 4134 COS-PSYCH 3(3,0)

CLP 4314 COS-PSYCH 3(3,0)

CLP 4402C COS-PSYCH 3(2,2)

CLP 45166 COS-PSYCH 3(3,0)
Advanced Abnormal Psychology: Pr: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5166 COS-PSYCH 3(3,0)
Basic Concepts of Human Behavior: Pr: Graduate status or senior standing or C.I. Consideration of classification, causation, management and treatment of emotional disorders. Review of theories and research in the field. Lecture/Laboratory. Occasional.

CLP 5187 COS-PSYCH 3(3,0)
Mental Health and Aging: Pr: Graduate status or senior standing or C.I. Introduction to assessment and intervention strategies, practice and research related to problems with cognitive and emotional functioning among older adults. May be repeated for credit. Occasional.

CLT 3370 CAH-PHIL 3(3,0)
Classical Mythology: Pr: ENC 1102 and either HUM 2210, REL 2300, WOH 2012 or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

CLT 3378 CAH-PHIL 3(3,0)
Comparative Mythology: Pr: ENC 1102 and either HUM 2210, REL 2300, WOH 2012 or LIT 2110. Myths of the Greeks & Romans studied through excerpts from ancient sources and experienced through works of art, literature, and music. Occasional.

COM 1000 COS-COMM 3(3,0)
Introduction to Communication: Survey course introducing students to theory, research, and practical principles associated with human communication in interpersonal, public, and professional contexts. Fall, Spring.

COM 2347C COS-COMM 1(1,1)
Sports Speaking and Interviewing: Pr: ESP 1608. Practicum to prepare students to speak in public forums and to participate in interviews with the mass media. Graded S/U. Occasional.

COM 3011C COS-COMM 3(3,0)

COM 3013 COS-COMM 3(3,0)
Communication and the Family: Pr: SPC 1608. The ways members of a family unit interact verbally and nonverbally to influence one another. Even Fall.

COM 3061H COS-COMM 3(3,0)
Health Communication: Pr: COM 3311 or C.I. Theories and research about the role communication plays in health. Occasional.

COM 3110 COS-COMM 3(3,0)
Business and Professional Communication: Pr: Majors only. SPC 1608 or C.I. Theoretical and practical training in effective presessional speaking for business and professions. Fall, Spring.

COM 3110H COS-COMM 3(3,0)
Honors Business and Professional Communication: Pr: Majors only. SPC 1608 or C.I. and consent of Honors. Theoretical and practical training in effective presessional speaking for business and professions. With Honors Content. Occasional.

COM 3120 COS-COMM 3(3,0)
Organizational Communication: Pr: Pr or CR: COM 3311, or C.I. A study of communication functions and problems within the contexts of hierarchies. Fall, Spring.
Terrorism and Communication: Occasional.

Gender Issues in Communication: COM 4014 COS-COMM 3(3,0)

Communication, Technology, and Change: PR: SPC 1608. How new technologies influence (and are influenced by) communication in a variety of contexts, including organization and interpersonal settings. Occasional.

Role of Motivation in Communication: PR: PR or CR: COM 3311, or CR: Motivation theories that directly affect the process of human communication. Occasional.

Gender Issues in Communication: PR: SPC 1608 and Junior Standing. A study of how communication exchanges, both verbal and non-verbal, differ between men and women, and how these differences are manifested. Occasional.

Terrorism and Communication: PR: COM 3311 or C.I. How terrorism is a communication process. How mass media, symbols, linguistic devices, e-terrorism, and theoretical dimensions play a role in terrorism. How communities respond to terrorist attacks. Fall.

Intercultural Communication: Study of variables affecting messages and participants in intercultural contexts. Fall, Even Spring.

Conflict Management: PR: PR or CR: COM 3311, or CR: The study of communication in everyday conflicts. Fall, Spring.

Concepts in Computer Science: Fundamental concepts in program design, data structures, algorithms, analysis and a survey of topics in CS. Not open to Computer Science majors. Fall, Spring.

Introduction to Programming with C: Equivalent to EGN 3211. Programming in C including arrays, pointer manipulation and use of standard C math and IO libraries. With Honors content. Fall, Spring.

Honors Introduction to Programming with C: PR: Consent of Honors. Programming with C including arrays, pointer manipulation and use of standard C math and IO libraries. Fall, Spring.

Object Oriented Programming: PR: COP 3223. Object oriented programming concepts (classes, objects, methods, encapsulation, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA. Fall, Spring.

Systems Software: PR: COP 3502C. Design and development of assemblers, linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

Computer Science II: PR: COP 3502C and COP 3300M. Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. Fall, Spring.

Computer Science II: PR: Permission of Honors and COP 3502H or COP 3502C and COP 3300M (MAD 2104 or COP 3100C). Algorithm design and analysis for tree, list, set, and graph data models; algorithmic strategies and applications, and algorithmic complexity analysis; sorting and searching; practical applications. With honors content. Fall.

Programming Languages I: PR: COP 3503C and COP 3960. Paradigms and fundamental concepts of programming languages are presented, including: scope, binding, abstraction, encapsulation, typing etc. Design paradigms object-oriented, functional and logic programming are presented. Fall, Spring.


Problem Solving Techniques and Team Dynamics: PR: COP 3502C. Design and implement solutions to problems requiring the applications of different algorithms. Team project format. Occasional.

Concepts of Parallel and Distributed Systems: PR: COP 3502C and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

Operating Systems: PR: COP 3402 and COP 3503C and COP 3960. Design and implementation of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

Operating Systems Laboratory: PR: COP 3402 and COP 3503C and COP 3960. Design and implementation of operating systems, process management, virtual memory, I/O management, and file management. Fall, Spring.

Database Systems: PR: COP 3503C. Storage and access structures, database models and languages, related database design, and implementation techniques for database management systems. Fall, Spring.

Frontiers in Information Technology: PR: COP 4910L or COP 4700C. Research into leading edge information technologies that have a high likelihood of affecting the workplace in the two to five year time frame. Spring.

Program Analysis: PR: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations; data flow analysis, abstract interpretation, and type and effect systems. Tools to automate program analysis. Even Spring.

Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory, algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.


Parallel and Distributed Database Systems: PR: Permission of Honors and COP 3502 and COP 3300M. Study models for developing parallel database systems, distributed database design, query processing, multidatabase systems. Occasional.


Topics in Computer Science: PR: COP 3402 and COP 3503C and COP 3960. A range of topics from the field of Computer Science: computer science; algorithmic and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

Formal Languages and Automata Theory: PR: COP 4200 and COP 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems, L(R) grammars. Fall, Spring.

Design and Analysis of Algorithms: PR: COP 4020 and COP 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems, L(R) grammars. Fall, Spring.


Comparative Politics: PR: POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.
DIG 2821 CAH-DIG 3(3,0) Creative Digital Media Problem Solving: PR: Minimum grade of "B" (3.0) in DIG 2000. Practical tools to enhance the creative process in the development of new, novel, and useful ideas for digital media. Fall, Spring.


DIG 3035 CAH-DIG 1(1,0) Digital Media in the Workplace: PR: ENC 1102. Work skills preparation for Digital Media Practicum. Fosters lifelong learning strategies and digital portfolio development. May be used in the degree program a maximum of 4 times. Fall, Spring.

DIG 3134 CAH-DIG 3(0.0) Media Software Design: PR: DIG 2000 and COP 2500C with a minimum grade of "B" (3.0) in DIG 2000. Fundamentals of software design in Internet environments. Introduction to discrete mathematics, programming/design schema, and computational structures. Fall, Spring.

DIG 3159 CAH-DIG 3(3,0) Writing for Digital Media: PR: Minimum grade of "B" (3.0) in DIG 2000. Methodologies, fundamentals, and history of written communications for the digital age. Application of methods and fundamentals to the following areas: language theory, document design, markup languages, and the editing process. Fall, Spring.

DIG 3263C CAH-DIG 3(2,2) Digital Media Audio: PR: DIG 3480C. Audio production processes for multimedia and new media production, including examination of use of audio and MIDI sequencing software. Fall, Spring.

DIG 3355C CAH-DIG 3(2,2) Artificial Environments and Effects: PR: DIG 2485 and C.I. CR: DIG 3951. Design and manipulation to convey a story, thought, and concept in visual medium. New imagery in motion such as non-character entities, music videos, and scientific visualization. Fall.

DIG 3362C CAH-DIG 3(2,2) Artificial Characters: PR: DIG 2485 and C.I. CR: DIG 3951. Processes and techniques for design and manipulation of artificial characters to convey story, thought, or concept in a visual medium. Fall.


DIG 3450 CAH-DIG 3(3,0) Interactive Performance I: PR: Admission to the major only. Digital Media, Theatre majors, or C.I. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. Fall, Spring.

DIG 3450H CAH-DIG 3(0.0) Honors Interactive Performance I: PR: C.I. and consent of Honors. Techniques of interactive acting, with emphasis on interpersonal awareness and audience facilitation. With Honors consent. Occasional.


DIG 3525 CAH-DIG 3(3,0) Digital Media Production I: PR: DIG 2030C, DIG 2109C, DIG 2500C, and a minimum grade of "B" (3.0) in DIG 2000. Media project planning, organization and execution; group dynamics. Software tools for project planning, scheduling and management. Fall, Spring.

DIG 4624C  CAH-DIG  3(1,4)  Digital Production in Artificial Environments: PR: DIG 3265. A portfolio review, or C.I. Application of techniques to continue building artificial environments and effects, addressing lighting, continuity, movement, theme and mood to help express a narrative for digital production. Fall.


DIG 4645  ECS-CS  3(0,0)  Digital Media: PR: COP 3503C or C.I. Information structures, algorithms and interactive tools for creation, compression, storage, indexing and transmission of multimedia (visual images, sound, tactile displays, etc.) Project-oriented. Occasional.

DIG 4693C  CAH-DIG  3(2,2)  Casual Game Production: PR: DIG 4714C or C.I. Advanced programming techniques for a variety of web-based applications using ActionScript, including dynamic and input text, variables, physics, artificial intelligence, collision detection, user interaction, and animation. Spring.

DIG 4704  CAH-DIG  3(0,0)  Interactive Entertainment: PR: DIG 3525 or C.I. Ways to apply diverse skills of film making to digital media, non-linear storytelling, virtual reality, video games and non-traditional education and military simulation. Fall, Spring.

DIG 4713  CAH-DIG  3(0,0)  Game Design: PR: DIG 3524 and DIG 3525. Principles and theories of video game design including software, content, interaction, and game play design. Project based. Fall, Spring.

DIG 4715C  CAH-DIG  3(2,2)  Game Production: PR: DIG 2500C or C.I. A minimum grade of "B" (3.0) in DIG 4713 and a satisfactory portfolio review. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4720C  CAH-DIG  3(2,2)  Casual Game Production: PR: DIG 2500C or C.I. 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.

DIG 4725C  CAH-DIG  3(0,0)  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 4770  ECS-CS  3(0,0)  Building Virtual Worlds: PR: COP 3503C or C.I. Design and construction of software for networked interactive learning environments, entertainment and communication systems. Tools for enabling dramatic, artistic and technical creativity. Project oriented. Occasional.


DIG 4855  CAH-DIG  3(0,0)  Converging Media Capstone: PR: GEB 3301, Concurrent and 32 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, prototype, development, marketing and assessment paralleling the business world. Even Fall, Even Spring. M&S fee: $45.00

DIG 5045C  CAH-DIG  3(1,3)  Principles of Interactive Entertainment I: PR: Admission to Digital Media MS program or C.I. Interactive digital content creation technologies and development processes. Fall.

DIG 5046C  CAH-DIG  3(1,3)  Principles of Interactive Entertainment II: PR: DIG 5045C. Advanced principles of interactive digital content creation technologies and development processes. Fall.

DIG 5137  CAH-DIG  3(0,0)  Information Architecture: PR: Film and digital media majors or C.I. Exploration of the process of formal design of interactive processes, examining the theories of usability and object oriented design. Fall.

DIG 5366  CAH-DIG  3(0,0)  Creating Interactive Characters: PR: Admission to Digital Media MS or C.I. Survey of issues related to creating interactive characters. Topics will range from modeling humans to reviewing realistic human capabilities. Graded S/U. Fall, Spring.

DIG 5487  CAH-DIG  3(0,0)  Principles of Visual Language: PR: Film and digital media majors or C.I. Overview of Visual Language, including the nature of perceptions and cognitions of imagery. Fall.

DIG 5529C  CAH-DIG  3(1,3)  Production for Media: PR: Admission to Digital Media MS program or C.I. Theories and practices of production processes for interactive entertainment. Fall.

DIG 5548C  CAH-DIG  3(1,3)  Rapid Prototype Production I: PR: Admission to Digital Media MS or C.I. Students engage in interdisciplinary teams to create rapid development projects. Fall.

DIG 5549C  CAH-DIG  3(1,3)  Rapid Prototype Production II: PR: DIG 5548C or C.I. Students engage in interdisciplinary teams to create advanced rapid development projects. Fall.


DIG 5627  CAH-DIG  3(3,0)  Autonomous Characters: PR: Graduate status or senior standing or C.I. Interdisciplinary study of autonomous characters-computer programs that mimic human behavior in games, simulations and interactive literature. Formal models of strategy, tactics and actions. Occasional.


DIG 5853  CAH-DIG  3(3,0)  Digital Forensics: PR: CNS 5131 (Computer Forensics I) or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems. Occasional.

DIG 5950  CAH-DIG  3(3,0)  Interactive Entertainment Capstone: PR: Admission to Digital Media MS. Prepare a production design document and technical design document for a production project. Graded S/U. Fall, Spring.

DSC 4012  HPA-CJ/LS  3(3,0)  Terrorism: PR: CCJ 3024 and CJE 4014 or C.I. An examination of competing ideologies of a variety of social and political conflicts (both international and domestic) that give rise to terrorism and of the implications for the criminal justice system. Occasional.


EAB 3703  COS-PSYCH  3(4,2)  Principles of Behavior Modification: PR: EX 3404. An examination of the control of behavior through applications of principles and theories of learning. Examples are drawn from clinical and social psychology and from child rearing. Lecture/Practicum. Fall.

EAB 3706C  COS-PSYCH  3(4,2)  Behavior Modification - Part II: PR: EAB 3703. Continued examination of the principles of behavior analysis and their application, as well as ethical issues related to the delivery of behavior analysis programs. Occasional.

EAB 5765  COS-PSYCH  3(3,0)  Applied Behavior Analysis with Children and Youth: PR: DEP 5527 and EX 5445, and graduate status or senior standing or C.I. Advanced survey of principles, procedures, and techniques of applied behavior analysis, with special attention to applications with children and youth. Occasional.

EAS 3010  ECS-MMAE  3(3,0)  Fundamentals of Aerospace Flight: PR: EGN 3321 and a "C" (2.0) or better in all of the following prerequisites: MAC 2311, MAC 3312 and PHY 2048. CR: EGG 3346. Fundamental theories of incompressible aerodynamics and flight mechanics, airfoil theory, external and internal flows, airplane performance. Fall.

EAS 3101  ECS-MMAE  3(3,0)  Fundamentals of Aerodynamics: PR: EAS 3010. Various topics including incompressible fluid flow, flow over finite wings; aerodynamic design, introduction to computational fluid dynamics. Spring.


EAS 3990  ECS-MMAE  0(0,0)  Aerospace Career and Academic Faculty Advising I: PR: MAP 2302. Mandatory meeting with students and their faculty advisor for career/academic advising. Graded S/U. Fall, Spring.


EAS 4134  ECS-MMAE  3(3,0)  High-Speed Aerodynamics: PR: EGG 3343, EAS 3101. Normal and oblique shock waves, nozzles and wind tunnels, methods of analyzing compressible flow about airfoils, wings, and bodies. Viscous boundary layers and applications to the design process. Fall.

EAS 4154  ECS-MMAE  3(3,0)  Rotorcraft Aerodynamics: PR: EAS 3010. Helicopter aerodynamics. Momentum and blade element theories applied to hover, vertical and forward flight. Factors affecting design, performance & stability will be discussed. Occasional.


EAS 4400 ECS-MMAE 3(3,0) Spacecraft Attitude Dynamics: PR: EML 4312C. Kinematics and dynamics of rigid and multifield spacecraft rotational motion. Attitude control with momentum exchange actuators and thrusters. Occasional.


EAS 4505 ECS-MMAE 3(3,0) Orbital Mechanics: PR: EGN 3221 and a “C” (2.0) or better in all of the following: MAC 2311, MAC 2312, MAC 2313, MAC 3402 and PHY 2048. Two-body problem, orbital elements, orbit, transfer, earth satellite operation. Spring.


EAS 4710C ECS-MMAE 3(1,6) Aerospace Design II: PR: EAS 4700C, EAS 4991. Continuation of the design process in the team building and testing of a prototype/model of an airplane, spacecraft, system or device. Fall, Spring. M&S fee: $45.00.

EAS 4901 ECS-MMAE 0(0,0) Aerospace Career and Academic Faculty Advising II: PR: EAS 3990; CR: EML 4312C. Mandatory meeting with students and their faculty advisor for career/ academic advising. Graded S/U. Fall, Spring.


EAS 5302 ECS-MMAE 3(3,0) Direct Energy Conversion: PR: EML 3101 and EML 4142. Direct methods of energy conversion; particular emphasis on fuel cells, thermoelectrics, thermionics, solar energy, photovoltaics and magnetohydrodynamics. Analysis and systems designs. Occasional.


EAS 5407 ECS-MMAE 3(3,0) Mechatronic Systems: PR: EML 4312C or C.I. Discrete control techniques for aerospace mechatronic systems. Controller design, test and evaluation applications. Odd Spring.

EAS 5535 ECS-MMAE 3(3,0) Engineering Design for Aerospace Vehicles: PR: EAS 4700C, EAS 4710C, EML 4501C, EML 4502C, or equivalent. Applications of the design process to aerospace vehicles. A system approach will be emphasized. Techniques for optimizing interface requirements will be covered. Occasional.

EAS 5213 ECS-MMAE 3(3,0) Behavioral Issues of the Emotionally Handicapped: An introduction to functional analysis of the field to include behavior management techniques, theories, legal considerations, counseling skills, etiology, prevention and utilization of community services. Occasional.


EAS 5240 ECS-MMAE 3(3,0) Teaching the Emotionally Handicapped: Instructional strategies with emphasis on motivational strategies, development, implementation and evaluation of the IEP, modification of regular education instructional practices, crisis intervention and prevention. Occasional.

EAS 5244 ECS-MMAE 2(2,0) Instructional Strategies and Curriculum for Students with Emotional Handicaps: PR: EEX 1010. Instructional strategies and specialized curriculum for teaching students with emotional handicaps with emphasis on instructional techniques and use of curriculum materials and programs. Occasional.

ECM 4504C ECS-ECE 4(3,3) Embedded Computer Systems: PR: EEL 4244, EEL 4635C. Application of computer systems, software and hardware to the analysis of economics and business problems. Fall, Spring.


ECON 2013 BA-ECON 3(3,0) Principles of Macroeconomics: PR: ECO 2013, ECO 2023 and ECO 3401. Theoretical study of the behavior of households, firms, and the economic system in which they operate with issues and applications. Fall, Spring.

ECON 3101 BA-ECON 3(3,0) Intermediate Microeconomics: PR: ECO 2013, ECO 2023 and ECO 3401. Theoretical study of the behavior of households, firms, and the economic system in which they operate with issues and applications. Fall, Spring.


ECON 3401 BA-ECON 3(3,0) Quantitative Business Tools I: PR: ECO 2023. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. Spring.

ECON 3411 BA-ECON 4(4,0) Quantitative Business Tools II: PR: Junior standing and a business major or permission. M&S fee: $15.00. May be used in the analysis of economics and business problems. Fall, Spring.

ECON 3411H BA-ECON 3(3,0) Honors: Quantitative Business Tools II: PR: Same as ECO 3411 with Honors level credit. Occasional.

ECON 3703 BA-ECON 3(3,0) International Microeconomics: PR: ECO 3101. Fundamental principles of international trade and foreign exchange, including the balance of payments and problems of balance of payments and international trade. Fall, Spring.

ECON 3704 BA-ECON 3(3,0) International Commercial Policy: PR: ECO 2013 and ECO 2023. Presents the fundamentals of international commercial policy, with special emphasis on U.S. trade policy since WW II. Spring.

ECON 4303 BA-ECON 3(3,0) History of Economic Thought: PR: ECO 3101. A study of the principal ideas of the major contributors to the development of economic thought. Occasional.

ECON 4412 BA-ECON 3(3,0) Econometrics: PR: ECO 2013, ECO 2023 and ECO 3411. Concepts and methods of developing, analyzing, and interpreting measures of economic activity, and business and economic change. Even Fall.

ECON 4451 BA-ECON 3(3,0) Research Methods in Economics: PR: ECO 3101, ECO 3201 and ECO 3411. Skills in data collection and creation, data analysis, and research presentation. Fall, Spring.

ECON 4504 BA-ECON 3(3,0) Portfolio Economics: PR: ECO 3101. A study of fiscal institutions and decision-making, and how government budgetary policy (spending, taxing, borrowing, and debt management) affects the economy and its citizens. Occasional.

UCF Courses and Descriptions

ECO 4713 BA-ECON 3(3,0)
International Macroeconomics: PR: ECO 3011 or ECO 3012. International macroeconomics with review and analysis of current international macroeconomics, financial issues, policies and events. Occasional.

ECO 4751 BA-ECON 3(3,0)
Law and Economics: PR: ECO 2013 and 2023. Impact of law on economic behavior; how economic behavior changes with legal rules and penalties; and the economic logic underlying the law. Occasional.

ECO 4941 BA-ECON 3(0,0)
Economics Internship: PR: Consent of department chair, ECO 3101, and ECO 3003. Supervised economics-related work experience in a pre-approved sponsoring organization or for research purposes. May be used in the degree program a maximum of 1 time. Occasional.

ECO 5005 BA-ECON 3(3,0)

ECP 3004 BA-ECON 3(0,0)
Seminar on Current Economic Topics: PR: ECO 3101. Content may include, but is not limited to, the analysis of current economic issues and policy, and the study of current economic methods and theories. May be used in the degree program a maximum of 1 time. Occasional.

ECP 3203 BA-ECON 3(3,0)
Labor Economics: PR: ECO 3101 or ECP 4703. The analysis of labor problems and issues in a dynamic contemporary 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 micro- 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 practice as well as the public policies affecting these industries. Fall, Spring.

ECP 4703 BA-ECON 3(0,0)
Managerial Economics: PR: Junior standing, ACG 2071, ECO 2013, ECO 2023 and ECO 3411. The uses of economic analysis in economic decision-making and business policy formulation. Open for non-majors only. Spring.

ECS 4013 BA-ECOL 3(3,0)

EDE 3942 ED-TLP 3(3,0)

EDE 4943 ED-TLP 7-12(0,35)

EDE 4945 ED-TLP 1(1,0)
Internship II Seminar: PR: All required program courses; CR: EDE 4943 Internship II. Culminating seminar emphasizing current classroom management and assessment issues as they relate to teaching in the elementary grades. Fall, Spring.

EDF 1942 ED-ES 3(3,0)
Introduction to Educational Internship: Introduction to educational internship with selected partner institutions. Occasional.

EDF 2005 ED-ES 3(3,0)
Introduction to the Teaching Profession: A survey course including an orientation to education careers, ethics, and the historical, philosophical and sociological foundations of education. This course has a field component. Fall, Spring.

EDF 2007 ED-ES 3(3,0)
Introduction to Substitute Teaching: Social and legal factors related to PK-12 teaching, including school safety, ethics, legal aspects, and roles and responsibilities of substitute teachers. Fall, Spring.

EFD 2130 ED-ES 3(3,0)

EFD 2250 ED-ES 3(3,0)
Classroom Management for Substitute Teachers: Instructional and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EFD 2720 ED-ES 3(3,0)

EFD 3120 ED-ES 3(3,0)
Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.

EFD 3303 ED-ES 3(3,0)

EFD 3601 ED-ES 3(3,0)
Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EFD 3740 ED-ES 3(3,0)

EFD 4214 ED-ES 3(3,0)
Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EFD 4466 ED-ERTL 3(3,0)
Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student placement and instructor performance, and interpretation of standardized test results. Fall, Spring.

EFD 4467 ED-ES 3(3,0)

EFD 4603 ED-ES 3(3,0)
Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, legal, cultural and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EFD 4603H ED-ES 3(3,0)
HON Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: Consent of Honors. Critical analysis of contemporary educational issues, including ethical, safety, legal, cultural, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall, Spring.

EFD 5245 ED-ES 3(3,0)

EFD 5607 ED-ES 3(3,0)
Language, Culture and Pedagogy: Impact and Implications: PR: C.I. Explores in-depth issues surrounding learning needs of students from linguistically and culturally diverse populations. Research on language, culture and pedagogy will be highlighted. Occasional.

EDG 1005C ED-ES 3(1,1)
Foundations of Leadership: PR: LEAD Scholars. An overview for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-ES 3(3,0)
Teaching Strategies for Substitute Teachers: An examination of strategies for instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4323 ED-ES 3(3,0)
Professional Teaching Practices: PR: EDF 2005 or C.I. Analysis of teaching strategies for K-12 settings, including higher order thinking, classroom management, alternative assessment and adaptation of instruction for diverse student populations. Fall, Spring.

EDG 4410 ED-ES 3(3,0)
Teaching Strategies and Classroom Management: PR: EDF 2005 or EME 2040 or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 ED-ES 1-8(0,1-8)
Directed Field Experience: PR: Approval of the Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-ES 3(3,0)
Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.
ECG 5745 ED-TLP 3(3,0)
Teaching the Non-English Student: PR: C.I. Bilingual and non-linguistic instruction in curriculum areas in English as a second language. Occasional.

EDG 5941 ED-ES 2-8(0,11)
Clinical Practice: PR: Admission to STEP II, III or IV. Clinical Internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDH 5306 ECS-MMAE 1(1,0)
Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basic teaching pedagogy to help engineering students become better TA's and help students deliver better technical presentations. Occasional.

EDS 5356 ED-TLP 3(2,1)
Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the state requirements for clinical supervision and assurance attainment of the Florida Educator Accomplished Practices. Fall. Spring.

EEC 2001 ED-CFCFS 3(3,0)

EEC 3214 ED-ES 3(0,0)

EEC 3613 ED-CFCFS 3(3,0)
Observation and Assessment of Young Children: PR: Admission to the program. Provides methods for diagnosing, assessing, and evaluating young children, including children with diverse cultural and ethnic backgrounds, Appropriate interventions, remediations, and enrichment. Occasional.

EEC 3700 ED-CFCFS 3(3,0)

EEC 3940 ED-CFCFS 3(0,3)
Integration Internship I: PR: Senior Status, RED 4311 or RED 3310. Field based placement in which the student will have supervised practice integrating course content areas. Occasional.

EEC 4207 ED-CFCFS 3(0,0)

EEC 4235C ED-CFCFS 3(2,1)

EEC 4266 ED-CFCFS 3(3,0)
Early Intervention: Provides an overview of assessment and intervention with at-risk and handicapped infants and toddlers. Occasional.

EEC 4268 ED-CFCFS 3(3,0)

EEC 4303 ED-CFCFS 3(3,0)
Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Development and Education program or C.I. Instructional methods for teaching skills to young children in PK-3rd grade. Hands-on creative play activities involve dance, music, theatre, visual arts, science, math, and literature. Occasional.

EEC 4402 ED-CFCFS 3(3,0)
Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

EEC 4414 ED-CFCFS 3(3,0)
Parent-Child Relations: PR: EEC 3700; EEC 4662; RED 5314; EEX 4751L; and C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parenting. Fall. Spring.

EEC 4524 ED-CFCFS 3(3,0)
Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

EEC 4528 ED-CFCFS 3(3,0)

EEC 4604 ED-CFCFS 3(3,0)

EEC 4731 ED-CFCFS 3(3,0)

EEC 4936 ED-CFCFS 2(2,0)

EEC 4940 ED-CFCFS 12(0,12)
Practioner: Early Childhood Education Practicum: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and/or agencies. Graded S/U. Fall. Spring.

EEC 4943 ED-CFCFS 12(0,12)
Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

EEE 4309C ECS-ECE 3(3,0)

EEE 4314 ED-CFCFS 3(0,3)

EEE 4463 ECS-ECE 3(3,0)
Mems Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, fabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumentation and applications. Fall.

EEE 532C ECS-ECE 3(2,1)
Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectromechanical, semiconductor, and optical devices. Occasional. M&S fee: $30.00.

EEE 5352 ECS-ECE 3(3,0)

EEE 5353 ECS-ECE 3(3,0)
Semiconductor Device Modeling and Simulation: PR: EEE 3350C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5356C ECS-ECE 4(3,3)
Fabrication of Solid-State Devices: PR: EEE 3350. Fabrication of microelectronic devices, processing technology, ion implantation and diffusion, device design, and layout. Laboratory includes device processing technology. Fall. Spring. M&S fee: $45.00.

EEE 5370 ED-CFCFS 3(3,0)

EEE 5378 ED-CFCFS 3(3,0)
Analog and Digital Circuit Design: PR: EEE 4309C. Advanced principles and design techniques for CMOS ICs including most recent published results. Fall.

EEE 5390 ED-CFCFS 3(3,0)
Full-Custom VLSI Design: PR: EEE 3342C, EEE 3307C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation, verification. Spring.
Electromagnetic Fields:
using Fourier series and transforms, sampling theory and design of linear circuits, transients, ac analysis, power calculations, this course, a C or better with a cumulative GPA of 2.7 or better for the above courses is required). Analysis and design of linear circuits, transients, ac, analysis, power, and 3,1.

Circuit Analysis: PR: PHY 2048 or CIR 2308, Study of electrical networks. Circuit analysis techniques are presented, including DC and steady state analysis. Power calculations, power distribution, and designing of components are covered with examples relating to cables, connections, and buses. Not open to ECE majors. Fall, Spring.

Networks and Systems: PR: EEL 3004. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and z-transforms. Fall, Spring. M&S fee: $15.00


Analog and Digital Communication Fundamentals: PR: EEL 3123C. Fundamentals of AM and FM, Baseband pulse and digital signaling, Bandpass signaling, digital modulation and detection, and error probability of simple digital systems. Fall, Spring. M&S fee: $15.00

Linear Control Systems: PR: EEL 3123C. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.


EECS Integrated Laboratory: PR: EEL 3552C, EEL 3657, EEL 4750. Topics. Sampling, Digital FIR and IIR Filters, Design and Analysis of analog and digital filters, Spectral analysis, project development. Fall, Spring. M&S fee: $30.00


Analog Filter Design: PR: EEL 3123C. Passive and active analog filter design. Fall, Spring. M&S fee: $10.00


Fundamentals of Electric Power Systems: PR: EEL 3004 or C. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

Microwave Engineering: PR: EEL 3470. Transmission line theory, Smith charts, S-parameters, simple filter DSP processing of sound, digital modems, and communication systems. Wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee: $15.00

Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Systems, aberrations, wavefronts, radiometry, detectors, physical optics, interferometric devices, applications to engineering design problems. Spring.


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.


Computer Control Systems: PR: EEL 3657. Discrete-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. M&S fee: $15.00

Embedded Systems: PR: EEL 3801C. Microcontroller systems, assembly language programming, data representation, memory and device interfacing, timing analysis, parallel and serial communication, timers, interrupts, signal interfacing considerations, and applications. Fall, Spring. M&S fee: $30.00


Computer Architecture: PR: EEL 3801 or CDA 3013. Computer systems performance and evaluation, processor datapath and control, microarchitected programs, instruction and symbolic manipulation, cache and virtual memory, and RISC vs. CISC. Fall, Spring. M&S fee: $30.00

Hardware Description Languages in Digital Systems Design: PR: EEE 3342C. Hardware description languages, simulation and synthesis of RTL, circuits and systems, design examples and projects. Occasional. M&S fee: $5.00

Telemetry and Space Computer Systems: PR: EEL 3552C and EEL 3801C, EEL 3657, EEE 3307C, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system "inner upper stages". Occasional.

Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4191B. Research topics in Machine Learning. Students will be asked to research a project and a faculty mentor who will supervise this project. Spring.

Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 4191B. Research topics in Machine Learning. Students will be asked to research a project and a faculty mentor who will supervise this project. Spring.
**EGN 3343** ECS-MMAE 3(3,0)

**EGN 3343H** ECS-MMAE 3(3,0)

**EGN 3358** ECS-MMAE 3(3,0)

**EGN 3365** ECS-MMAE 3(3,0)

**EGN 3373** ECS-ECE 3(3,0)

**EGN 3373H** ECS-ECE 3(3,0)

**EGN 3420** ECS-ECE 3(3,0)
Engineering Analysis: PR: High-level computer language; MAC 2312. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolation, integration and plotting. Fall, Spring.

**EGN 3613** ECS-IEMS 2(2,0)

**EGN 3843** ECS-IEMS 3(3,0)

**EGN 4300C** ECS-ENT 3(2,2)
Hydrogen Production and Handling: PR: CHM 1012, CHM 1032B, and PHY 2053C. Basic concepts and principles of hydrogen technologies to include properties, usage, safety, storage and production. Even Fall.

**EGN 4412C** ECS-MMAE 3(1,5)

**EGN 4413C** ECS-MMAE 3(1,5)
Interdisciplinary Design II: PR: EGN 4412C. Continuation of Interdisciplinary Design I May be repeated for credit. Spring.

**EGN 4624** ECS-IEMS 3(3,0)
Engineering Administration: PR: Senior standing. Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R & D planning; ethics in professional practice. Fall, Spring.
EM 5060 ECS-MMAE  3(3,0)  Polymer Science and Engineering: PR: EGN 3365. Structure and properties of polymers, preparation and processing of polymers, mechanical properties, use in manufacturing and high tech applications. Occasional.


EM 5108 ECS-MMAE  3(3,0)  Surface Science: PR: PHY 2049C and C. Methods of chemical and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopies utilizing electron, ion and photon probes. Occasional.

EM 5140 ECS-MMAE  3(3,0)  Introduction to Ceramic Materials: PR: EGN 3365. Uses, structure, physical and chemical properties, and processing of ceramic materials. Discussions will include recent developments for high technology applications. Occasional.


EM 5415 ECS-MMAE  3(3,0)  Electronic Principles of Materials Properties: PR: EGN 3365 or C. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EM 5504 ECS-MMAE  3(2,2)  Modern Characterization of Materials: PR: EMA 5104 or C. Techniques and operation of instrumentation (light, scanning, transmission, and x-ray microcopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EM 5505 ECS-MMAE  3(2,2)  Scanning Electron Microscopy: PR: EMA 5104 or C. A review of electron optics, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microtechniques and crystallography in the SEM. Occasional.

EM 5517 ECS-MMAE  3(2,2)  Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.


EM 5585 ECS-MMAE  3(3,0)  Materials Science of Thin Films: PR: Graduate standing or C. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EM 5586 ECS-MMAE  3(3,0)  Photovoltaic Solar Energy Materials: PR: EGN 3365. Properties and applications of photovoltaic structures; homojunction, heterojunction, and surface barrier solar cells. AMS/D-1D modeling of c-Si, GaAs bulk and a-Si:H, CIGS, and CuInTe thin film solar cells. May be repeated for credit. Occasional.


EM 5588 ECS-MMAE  3(3,0)  Biocompatibility of Materials: PR: EGN 3365 or C. Biocompatibility and bioactivity; cell-biomaterials interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.

EM 5610 ECS-MMAE  3(3,0)  Laser Materials Processing: PR: EGN 3343 or EMA 5106 or C. Laser beam optics, laser-material interactions; laser heating, melting, vaporization; Plasma formation; laser surface treatment, welding, machining; laser material synthesis. Thin film deposition, crystal growth. Occasional.

EM 5705 ECS-MMAE  3(3,0)  High Temperature Materials: PR: EMA 5104 or C. Desired material properties for high temperature applications, physical metallurgy of such materials, corrosion, hot corrosion and oxidation properties, aero- and land-based gas turbine requirements. Occasional.

EM 6040 ED-ERTL  3(3,0)  Introduction to Technology for Educators: Introduction to technology for educators, including classroom management tools, multimedia, communication networks, interactivity, educational software and legal, ethical and social issues. Fall. $1.00 fee.

EM 6061 ED-ERTL  3(3,0)  Introduction to Applications of Technology in Education: Classroom applications of instructional media including computers. Occasional.

EM 6312 ED-ERTL  3(3,0)  Applications of Technology in Education: Classroom applications of instructional media. May be repeated for credit. Occasional.

EM 6313 ED-ERTL  3(3,0)  Fundamentals of Technology for Educators: PR: Post bac or C. Designed to provide participants with an introduction to the field of educational technology content, emphasis on using and integrating technology in K-12 to improve the teaching and learning process. Fall, Spring.

EM 6314 ED-ERTL  3(3,0)  Technologies of Instruction and Information Management: PR: Acceptance into Ed Media program or C. Theories and practices in utilizing instructional media and information technologies. Emphasis on new and emerging technologies and their effects on the school and media program. Fall.

EM 6500 ED-ERTL  3(3,0)  Fluid Mechanics I: PR: EGN 3343 and a "C" (2.0 or better) in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EM 6501 ED-ERTL  3(3,0)  Fluid Mechanics II: PR: EGN 3343 and a "C" (2.0 or better) in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EM 6502 ED-ERTL  3(3,0)  Engineering Design Practice: PR: EGN 3321, EGN 3343 and a "C" (2.0 or better) in all of the following: MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Graphical, mathematical, and computer-aided kinematics, analysis, and synthesis of basic mechanisms. Fall.

EM 6503 ED-ERTL  3(3,0)  Electronic Resources for Education: PR: Graduate standing or C. Study and application of electronic resources available for education including techniques for locating, evaluating, and integrating them into the classroom. Fall.

EM 6509 ED-ERTL  3(3,0)  Production Techniques for Instructional Settings: PR: Acceptance into Ed Media Program or C. Skills in producing instructional materials. Emphasis on graphic, audio, video, and photographic skills and the application of instructional media and communication theories. Spring.

EM 6520 ED-ERTL  3(3,0)  Media for Children and Young Adults: PR: Acceptance into Ed Media Program or C. Survey of materials for children's and young adults' informational and recreational needs, analysis, evaluation, and utilization of print and non-print materials. Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Course Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4145</td>
<td>ECS-MMAE 3.0 EML 3500, EML 3701, and EML 3303C. Boiling and condensation heat transfer.</td>
<td>(2,0)</td>
<td>EML 3701, EML 3304, and EML 4342. Understanding and analysis of heat transfer processes.</td>
<td></td>
</tr>
<tr>
<td>EML 4220</td>
<td>Vibration Analysis: PR: EGN 3321, EGM 3600 and EML 3034C. Undamped and damped vibration of single degree-of-freedom systems.</td>
<td>(3,0)</td>
<td>EML 4342, EML 4200, EML 4300, EML 3701, and EML 5060. Vibration theory and experimental techniques.</td>
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</tr>
<tr>
<td>EML 4221</td>
<td>Mechanical Systems Experimental Techniques: PR: EML 3303C, EML 4220.</td>
<td>(2,1,2)</td>
<td>Vibration concepts and associated experiments. Vibration testing techniques.</td>
<td></td>
</tr>
<tr>
<td>EML 4260</td>
<td>Dynamics of Machinery: PR: EML 3262 and EML 4220.</td>
<td>(3,0)</td>
<td>Critical speeds and response of flexible rotor systems, whirl, gyroscopic effects; balancing of rotating and reciprocating masses; cam dynamics.</td>
<td></td>
</tr>
<tr>
<td>EML 4264</td>
<td>Vehicle Dynamics: PR: EML 3262 and EML 4220.</td>
<td>(3,0)</td>
<td>Basic mechanics governing vehicle dynamics, performance and handling.</td>
<td></td>
</tr>
<tr>
<td>EML 4304C</td>
<td>Design of Thermostlood Fluid Experiment: PR: EML 3303C, EML 4142, EML 4220.</td>
<td>(2,1,3)</td>
<td>Experiments in Thermostlood Fluids and with emphasis on principle mechanisms.</td>
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<tr>
<td>EML 4312C</td>
<td>Feedback Control: PR: EGN 3521, MAP 3203, EML 3373 and EML 4220 or EAS 4210C. Mathematical modeling of dynamic systems: transient and steady state response; Root Locus and z-transform methods; discrete systems analysis; controller design.</td>
<td>(3,2)</td>
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<tr>
<td>EML 4411</td>
<td>Mechanical Power Systems: PR: EML 3101.</td>
<td>(3,0)</td>
<td>Analysis and design of large power generating systems and components, with emphasis on steam plants utilizing both chemical and nuclear fuels.</td>
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<tr>
<td>EML 4454</td>
<td>Turbine for Sustainable Power: PR: EML 3500, EGN 3365 or EMA 3706, EML 3701 or EAS 3101, EML 4142; CR: EML 4220 or EAS 4210. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability, covers multiple applications of conventional and green technologies.</td>
<td>(3,0)</td>
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<tr>
<td>EML 4501C</td>
<td>Engineering Design I: PR: EML 3500, EML 3701 and EML 5303C. Boiling and condensation heat transfer.</td>
<td>(3,1,6)</td>
<td>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.</td>
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<tr>
<td>EML 4502C</td>
<td>Engineering Design II: PR: EML 4501C, EML 4599.</td>
<td>(3,1,6)</td>
<td>Continuation of the design process in the team building and testing of a prototype. A test plan and a test report are completed.</td>
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<tr>
<td>EML 4535C</td>
<td>CAD/CAM: PR: EGN 3343, EML 3343C, and EML 3501, CR EAS 4250 or EML 3500, CAD/CAM/CAM computational methods.</td>
<td>(2,3,2)</td>
<td>Concurrency engineering approach to mechanical, thermal, and aerospace systems design and analysis. Use of in-house software.</td>
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<tr>
<td>EML 4550C</td>
<td>ECU Courses and Descriptions</td>
<td>(3,0)</td>
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<tr>
<td>EML 4600</td>
<td>HVAC Systems Engineering: PR: EGN 3343; CR: EML 3701, EML 3101. Heating, ventilation, air-conditioning, and refrigeration principles and systems design. Psychometrics, heating and cooling loads, equipment and components, and distribution systems.</td>
<td>(3,0)</td>
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<tr>
<td>EML 4602</td>
<td>Applied HVAC Engineering: PR: EML 4600, CR: EML 3701, EML 3101. Applied HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation, and indoor air quality. Dehumidification performance of the various HVAC system types and their interactions with the building.</td>
<td>(3,0)</td>
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<tr>
<td>EML 4604C</td>
<td>Digital Control in Mechatronics: PR: EML 4312C and EML 3303C. Information processing system design for mechatronic applications.</td>
<td>(2,3)</td>
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<tr>
<td>EML 4640C</td>
<td>Fluid Mechanics II: PR: EML 3701. Continuation of Fluid Mechanics I. Externally flows, fluid machinery, compressible flows, design projects.</td>
<td>(3,0)</td>
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<tr>
<td>EML 4730</td>
<td>Fluid Mechanics I: PR: EML 3600. Theoretical basis. Measurement techniques, exotrons, transducers, data acquisition. Detailed data analysis, modal parameter extraction, curve-fitting procedures.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5091</td>
<td>Mechanical Career and Academic Faculty Advising: PR: EML 3500 or EML 4703. Mandatory meeting with students and their faculty advisor for career, academic advising.</td>
<td>(0,0)</td>
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<tr>
<td>EML 5092C</td>
<td>Advanced Engineering Design Practice: PR: EML 3500, CR: EML 4142 or EML 4220 or EAS 4210. Designed to familiarize students with the basic CAD/CAM solid modeling techniques in a project oriented environment.</td>
<td>(3,2)</td>
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<tr>
<td>EML 5224C</td>
<td>Combustion Phenomena: PR: EML 4703, EML 3101. Physical and chemical aspects of combustion phenomena. Rate processes, chemical kinetics, structure, propagation and stability of premixed and diffusion flames.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5226C</td>
<td>Intermediate Heat Transfer: PR: EML 4142, EML 5060. An intermediate-level course dealing with heat and mass transfer, boundary layer problems, and radiation from real bodies. Emphasis on combined modes, numerical methods.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5231</td>
<td>Continuum Mechanics: PR: EML 3500 or EML 4703 or EAS 4240 or CR 3101. Introduction to tensors; deformation and strain; stress; balance laws, applications in Newtonian fluid dynamics and isostropic fluid flows.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5240</td>
<td>Turbomachinery: PR: EML 3101, EML 4703 or EAS 4210. Applications of the principles of fluid mechanics, thermodynamics, and aerodynamics to the design and analysis of steam and gas turbines, compressors, and pumps.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5253C</td>
<td>Combustion Phenomena: PR: EML 4703, EML 3101. Physical and chemical aspects of combustion phenomena. Rate processes, chemical kinetics, structure, propagation and stability of premixed and diffusion flames.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5256C</td>
<td>Turbines for Sustainable Power: PR: EGN 3365 or EMA 3700, EML 3701 or EAS 3101, CR: EML 4220 or EAS 4210, EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability, covers multiple applications of conventional and green technologies.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5288C</td>
<td>Computer-Aided Design for Manufacture: PR: EGN 4535C. Builds on introductory material covered in EML 4220. Topics include computer modeling for the synthesis, simulation, design and manufacture of mechanical, thermal, and aerospace systems.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5291</td>
<td>MEMS: PR: EML 5060, EML 5211, or CR 3101. Introduction to MEMS and Micromachining: PR: EML 5060, EML 5211, or CR 3101. Introduction to materials that are frequently used for MEMS applications such as silicon, metal, ceramics and polymers.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5311</td>
<td>MEMS Materials: PR: EML 5060, EML 5211, or CR 3101. Introduction to materials that are frequently used for MEMS applications such as silicon, metal, ceramics and polymers.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5402</td>
<td>System Control: PR: EML 4312C, CR: EML 5060. Modern control theory for linear and non-linear systems, controllability and observability, Linear state feedback and state estimators, compensator design.</td>
<td>(3,0)</td>
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<tr>
<td>EML 5456C</td>
<td>Turbines for Sustainable Power: PR: EGN 3365 or EMA 3700, EML 3701 or EAS 3101, CR: EML 4220 or EAS 4210, EML 4142. Multidisciplinary aspects of turbine design for sustainable power generation including aerodynamics to combustion and emissions to reliability, covers multiple applications of conventional and green technology.</td>
<td>(3,0)</td>
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</table>

EML 5587C ECS-MMAE 3(2,3) Mechanics of Biostuctures I: PR: Graduate standing or C.I. Part I of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc.) biostuctures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5588C ECS-MMAE 3(2,3) Mechanics of Biostuctures II: PR: EML 5587C. Part II of a two semester course. Mechanical analysis of hard (bone) and soft (organs, connective tissues, etc) biostuctures and the analysis includes preparation and experimental testing for constitutive equations for predictive modeling. Occasional.

EML 5605 ECS-MMAE 3(3,0) Applied HVAC Engineering: PR: EML 4600. Applications of HVAC systems design with the objective of optimizing energy efficiency, humidity control, ventilation and indoor air quality. May be repeated for credit. Occasional.

EML 5606 ECS-MMAE 3(3,0) HVAC Systems Engineering: PR: EML 3101, EML 4142, EML 3034C. Heating, ventilation, air conditions and refrigeration principles, system design and analysis. May be repeated for credit. Odd Fall.


EMR 4011 ED-CFCF 3(3,0) Intro to Mental Retardation: Nature and needs of mentally handicapped students with emphasis on etiology, prevention, identification, and application of effective practices and recognition of trends and standards. Occasional.

EMR 4362 ED-CFCF 4(4,0) Teaching Students with Mental Handicaps: PR: EEX 2101. Relationship between the characteristics of students with mental handicaps and specialized instructional materials, strategies and curriculum. Occasional.

EMR 4372 ED-CFCF 3(3,0) Curriculum Method and Materials for Retarded Persons: PR: Senior standing. Development of highly specialized techniques, curriculum and materials to be used with students with mental retardation. Occasional.

ENC 1101 CAH-ENG 3(3,0) Composition I: Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1101H CAH-ENG 3(3,0) Honors Freshman Composition I: PR: Score of 60+ on TSWE of SAT or C.I. and permission of Honors. Expository writing with emphasis on effective communication and critical thinking. Emphasizing the writing process writing topics are based on selected readings and on student experiences. The "NC" grading policy applies to this course. Honors-level content. Fall, Spring.

ENC 1102 CAH-ENG 3(3,0) Composition II: PR: ENC 1101 with a grade of "C-" or better. Focus on extensive research in analytical and argumentative writing based on a variety of readings from the humanities. Emphasis on developing critical thinking and diversity of perspective. The "NC" grading policy applies to this course. Fall, Spring.

ENC 1102H CAH-ENG 3(3,0) Honors Freshman Composition II: PR: ENC 1101 with a grade of "C-" or better and permission of Honors. Same as ENC 1102, with honors-level content. Note on Freshman English: ENC 1101 and 1102 must be taken before enrolling in any English course numbered above 1102. The "NC" grading policy applies to this course. Fall, Spring.

ENC 2127 CAH-ENG 3(3,0) Grammar and Composition: A systematic study of grammatical principles and style of writing with emphasis on clarity and accuracy in writing. Occasional.


ENC 2411C CAH-ENG 3(2,1) Digital Literacy for the Visual Arts: Designed to help students better understand how computer technologies have shaped our culture and ourselves; to become critical consumers of digital media; and acquire a critical sensibility regarding the manner in which technology affects and is affected by texts. Occasional.

ENC 3211 CAH-ENG 3(3,0) Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing or C.I. Emphasis on definitions and technical foundations in technical writing field, and the roles of writers in industry. Fall, Spring.

ENC 3211H CAH-ENG 3(3,0) Honors Theory and Practice of Technical Writing: PR: Grade of C (2.0) or better in ENC 1102H or equivalent credit, and Consent of Honors. Development, history, scope, practices, and theoretical bases of technical writing and its relationship to general English studies. With Honors Content. Occasional.

ENC 3241 CAH-ENG 3(3,0) Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102, junior standing or C.I. Writing effective correspondence, instructions, proposals, and informal and formal reports. Fall, Spring.

ENC 3241H CAH-ENG 3(3,0) Honors Writing for the Technical Professional: PR: Grade of C (2.0) or better in ENC 1102H or equivalent credit, and Consent of Honors. Instruction and practice in expository prose used in technical writing, layout and design of data, and translation of technical documents for the lay audience. With Honors content. Occasional.

ENC 3250 CAH-ENG 3(3,0) Professional Writing: PR: Grade of C (2.0) or better required in ENC 1102, junior standing, and 12 upper division hours in the student's major. Major elements of professional writing with emphasis on composition of reports, proposals, letters, and memos. Fall, Spring.

ENC 3310 CAH-ENG 3(3,0) Magazine Writing I: PR: Grade of C (2.0) or better required in ENC 1102. Intensive practice in description narration, exposition and argumentation; control of tone, mood, viewpoint, and level of diction. Applicable to article, essay, and short story writing. Fall, Spring.

ENC 3311 CAH-ENG 3(3,0) Advanced Expository Writing: PR: Grade of C (2.0) or better required in ENC 1102. Practice of expository writing directed to general reader. Fall, Spring.

ENC 3905 CAH-ENG 3(3,0) Directed experience in Writing: PR: Grade of C (2.0) or better required in ENC 1102. Directed experience in writing with personalization of faculty direction. May be repeated for credit. Occasional.

ENC 3942 CAH-ENG 3(3,0) Journal Writing Practicum: PR: Grade of C (2.0) or better required in ENC 3905. An interdisciplinary practicum in journal writing as a literary genre and a means of self-expansion. Occasional.

ENC 4215 CAH-ENG 3(3,0) Technical Publication and Project Management: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. New publishing technologies, stressing composition and printing; word processing, automated text processing, methods of reproduction, introduction of graphic style, format, layout, and boardwork. Spring. M&S fee: $10.00.

ENC 4218 CAH-ENG 3(3,0) The Visual in Technical Documentation: PR: Grade of C (2.0) or better required in ENC 4293. Relevant theories of the visual and their application to technical communication practice. Fall. M&S fee: $10.00.

ENC 4262 CAH-ENG 3(3,0) Technical Writing Style: PR: Grade of C (2.0) or better in ENC 3211 or ENC 3241. Principles of writing for technical communication. Fall, Spring.

ENC 4275 CAH-ENG 3(3,0) Writing/Consulting: theory & practice: PR: C.I. Theory and practice of assessing and responding to writing from the standpoint of a collaborator, as opposed to evaluator. Occasional.

ENC 4280 CAH-ENG 3(3,0) Technical Writing Style: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241 or C.I. Strategies for understanding and improving writing styles, particularly for a variety of technical writing genres. Spring.

ENC 4290 CAH-ENG 3(3,0) Usability Testing for Technical Communication: PR: Grade of C (2.0) or better required in ENC 4293 or C.I. Usability theory and techniques for evaluating manuals, online documentation, and other technical communication genres. Occasional.

ENC 4293 CAH-ENG 3(3,0) Documentation and the Collaborative Author: PR: Grade of C (2.0) or better required in ENC 3211 or ENC 3241. Development of a book-length project from idea to final published product. Examples may include technical manuals, policies and procedures, and training manuals. Fall, Spring.

ENC 4294 CAH-ENG 3(3,0) Documentation and Client-Based Collaboration: PR: Grade of C (2.0) or better required in ENC 4293. Practical application of editing theory to large ongoing projects from the student's particular field. Should be taken concurrently with ENC 4215. Fall, Spring. M&S fee: $10.00.

ENC 4312 CAH-ENG 3(3,0) Theory & Practice Persuasive Writing: PR: Grade of C (2.0) or better required in ENC 1102. A study of the theory and practice of persuasion, including logical and emotional appeals. Occasional.

ENC 4313 CAH-ENG 3(3,0) Research Writing: PR: Grade of C (2.0) or better in ENC 1102, junior standing, and C.I. Writing correspondence, instructions, proposals, and informal and formal reports in various disciplines. Occasional.

ENC 4360 CAH-ENG 3(3,0) Nature Writing: PR: Grade of C (2.0) or better required in CRW 3013 and CRW 3053. English major or minor and junior standing, or C.I. Students will write essays that explore different approaches to writing about the natural world, and will discuss issues raised by such writing. Occasional.
The theory and practice of the rhetoric-audience relationship, the course studies history and development of digital rhetorics through a close reading and analysis of normative rhetorical texts, modern American fiction and films. Fall, Spring.

Digital Rhetorics and The Modern Dialectic: PR: Grade of C (2.0) or better required in ENC 1102. This online exploration of the development of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. Fall, Spring.

The 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.

Writing for the Professional: PR: Graduate status or senior standing or C.I. A study of the major documents and genres for professionals in business, focusing on audience, purpose, style, arrangements, and content. Fall, Spring.

Teaching Professional Writing: PR: Graduate status or senior standing or C.I. Prepares students to determine needs of professional discourse communities, analyze those needs, and design in-house or freelance writing programs to address those needs. Occasional.

Writing/Consulting: Theory and Practice: PR: Graduate status or senior standing or C.I. The theory and practice of assessing and responding to writing as a collaborator (as opposed to evaluator). Occasional.

Developing Professional Writing Projects: PR: Graduate status or C.I. Developing Professional Writing is a course in which students learn the basics of planning writing projects, including scheduling, budgeting, collaborative writing, editing, production, and problem solving. Occasional.

Modern Rhetorical Theory: PR: Graduate status or senior standing or C.I. With special attention to the rhetoric-audience relationship, the course studies history and practice of modern rhetorical theory. Spring.

Theory and Practice in Composition: PR: Grade of C (2.0) or better required in ENC 1102. Theories of electronic literacy and information to develop a more critical sensitivity regarding hypertext. Occasional.

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.

Writing and Hypertext: PR: Grade of C (2.0) or better required in ENC 3242 or ENC 3241. Theories of electronic literacy and information to develop a more critical sensitivity regarding hypertext. Occasional.

Editing Professional Writing: PR: Graduate status or senior standing or C.I. The study of major issues in editing, including levels of edit, grammar and mechanics, visuals, style, and the impact of technology. Fall, Spring.

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.

Critical Studies Literature: PR: Grade of C (2.0) or better required in ENC 1102. An advanced study of cultural developments over time that call for broadening the applications of literary analysis to produce "cultural studies." Occasional.

Literature and Film: PR: Grade of C (2.0) or better required in ENC 1102. The differences in emphasis, medium, and technique in selected novels and their film adaptations. Occasional.


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.

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.

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.

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.

English Literature I: PR: Grade of C (2.0) or better required in ENC 1102. Beowulf to 1768. Fall, Spring.

English Literature II: PR: Grade of C (2.0) or better required in ENC 1102. From 1768 to 1914. Fall, Spring.

Restoration Literature: PR: Grade of "C" or better required in ENC 1102. A study of Restoration drama, and prose written during the Restoration era (1660-1700) and the social, historical, and political contexts. Occasional.

Gothic Literature: PR: Grade of "C" or better required in ENC 1102. A study of Gothic literature (prose, poetry, drama) in the British Isles and its cultural contexts. Occasional.

Black British Literature: PR: Grade of "C" or better required in ENC 1102. Study of literature written inside the UK by authors of African, South Asian, and Caribbean lineage. Occasional.

Orlando Shakespeare Festival: PR: ENC 1102. Involvement in theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. Occasional.

Orlando Shakespeare Festival Honors: PR: ENC 1102 and permission of Honors. Honors theory and practice of Shakespeare's art by performance-oriented study and participation in the Orlando Shakespeare Festival's pre-season activities and productions. Occasional.

English Novel: PR: Grade of C (2.0) or better required in ENG 3014. Analysis of major English novels. Occasional.

English Renaissance Poetry and Prose: PR: Grade of C (2.0) or better required in ENG 3014. The course will examine selected poetry and prose of Wyatt, Surrey, Sidney, Spenser, Marlowe, Raleigh, Daniel, Shakespeare, Chapman, Lyly & others. Occasional.

18th Century Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of literature in English 1660-1880. May be repeated for credit. Occasional.

English Romantic Writers: PR: Grade of C (2.0) or better required in ENG 3014. Study of English poets and essayists of the romantic period, such as Wordsworth, Coleridge, Hazlett, Lamb, Byron, Shelley and Keats. Occasional.

The Victorian Age: Poetry: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, the Rossettis, and Emily Bronte. Occasional.

Nineteenth Century British Prose: PR: Grade of C (2.0) or better required in ENG 3014. Essays and fiction of the nineteenth century. Occasional.

Modem British Literature: PR: Grade of C (2.0) or better required in ENG 3014. Major writers of modern British literature. Occasional.

British Authors: PR: ENG 3014. Study of the works of a single British author. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

Chaucer: PR: Grade of C (2.0) or better required in ENG 3014. The Canterbury Tales, Troilus and Criseyde, and other works. Occasional.

Shakespeare Studies: PR: Grade of C (2.0) or better required in ENG 3014. Reading, analysis, and discussion of Shakespeare's plays. May be repeated for credit. Occasional.

Milton and His Age: PR: Grade of C (2.0) or better required in ENG 3014. Paradise Lost, Paradise Regained, Samson Agonistes, shorter poems and selected prose. Occasional.

British Literature: Medieval to Modern: PR: Graduate status or senior standing or C.I. Survey of British Literature from beginnings to present, with instruction in the fundamentals of prose, poetry, and drama. Emphasis on Literature's social and historical contexts. Occasional.

Eighteenth Century Studies: PR: Graduate status or senior standing or C.I. Reading, analysis, and discussion of literature in English 1660-1880. Occasional.

British Authors: PR: Grade of C (2.0) or better required in ENG 3014. Poets of the Victorian period, including Tennyson, the Brownings, Arnold, Hopkins, Hardy, the Rossettis, Emily Bronte, and others. Occasional.

Victorian Literature: PR: Graduate status or senior standing or C.I. A study of the major prose writers and selected poetry of British Victorian writers. Occasional.

Studies in Shakespeare: PR: Graduate status or senior standing or C.I. A selection of representative plays, with emphasis on Shakespeare's development as an artist: aesthetics of dramatic literature. Occasional.

The Age of Milton: PR: Graduate status or senior standing or C.I. Emphasis on the non-dramatic works of John Milton. Selections from the non-dramatic works of other 17th-century figures. Occasional.

Introduction to Environmental Engineering: PR: CHM 2046 and MAC 2312. Introduction to concepts and terminology of environmental engineering. Stressors material and energy balances. Covers air, water and land pollution. Fall, Spring.

Environmental Engineering: PR: one of ENG 4562C, ENG 4590C, ENG 4122C, or CWR 4812C. 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. Occasional.
ENV 4112C ECS-CECE 3(2.2) Air Pollution Measurements Lab: Measurement of gaseous flow, isoelectric sampling, and pollutant quantification. Emphasis is placed on EPA methods. Occasional. M&S fee: $30.00

ENV 4120 ECS-CECE 3(3.0) Air Pollution Control: PR: EGN 3343, CWR 3201, and ENV 3001 with a grade of “C” (2.0) or better. Air resource management, engineering design, and operation of air pollution control systems. Fall.

ENV 4122C ECS-CECE 3(2.2) Air Pollution Control Design: PR: ENV 4120. Project course on design of air pollution control equipment and systems. Spring. M&S fee: $15.00

ENV 4300C ECS-CECE 3(2.2) Solid Waste Facility Design: PR: ENV 4341. Project course on design of a municipal solid waste facility. Occasional. M&S fee: $15.00

ENV 4341 ECS-CECE 4(4.0) Solid & Hazardous Waste Management: PR: Grade of “C” (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 4432 ECS-CECE 3(3.0) Potable Water Treatment: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of potable water treatment facilities. May be repeated for credit. Occasional.

ENV 4531 ECS-CECE 3(3.0) Wastewater Treatment Processes: PR: ENV 3001 and CWR 3201. Detailed investigation of principles of design and operation of wastewater treatment facilities. May be repeated for credit. Occasional.


ENV 4562C ECS-CECE 3(2.2) Environmental Engineering Systems Design: PR: ENV 4561, EES 4022C. Project course on design of wastewater and wastewater treatment plants. Spring. M&S fee: $15.00

ENV 4563 ECS-CECE 3(3.0) Environmental Control Systems: PR: EGN 3343, EGN 3373 and CWR 3301 CR: ENV 4561. Analyse design and systems simulation of control systems components and control systems in environmental engineering applications including process dynamics, instrumentation, and control system configuration. Occasional.


ENV 5116C ECS-CECE 3(2.3) Air Pollution Monitoring: PR: C.I. Air Pollution sampling techniques, equipment, and monitor sitting. Emphasis on theory and direct applications in air pollution monitoring. Occasional. M&S fee: $15.00

ENV 5324 ECS-CECE 3(3.0) Characterization of Hazardous Waste Sites: PR: CWR 4101C and ENV 4341 or C.I. Practical and comprehensive methods of hazardous waste site characterization to determine site properties, contamination type, magnitude and risk, and remedial actions. Occasional.

ENV 5335 ECS-CECE 3(3.0) Hazardous Waste Management: PR: ENV 3001 or C.I. Engineering planning and analysis associated with the handling, storage, treatment, transportation, and disposal of hazardous wastes. Occasional.

ENV 5356 ECS-CECE 4(4.0) Solid and Hazardous Waste Management: PR: Grade of “C” (2.0) or better in ENV 3001. Engineering design, planning, and analysis problems associated with storage, collection, processing, and disposal of solid and hazardous wastes. Fall.

ENV 5410 ECS-CECE 3(3.0) Drinking Water Treatment: PR: ENV 4561. Drinking water treatment using existing and newly developed processes. Fe, Mn, As, NO3, DFP, SODs and other contaminants using oxidation, membranes, ion exchange, precipitation, sorption, and other processes. Occasional.


ENV 5517 ECS-CECE 3(3.0) Engineering Chemical and Biological Processes: CR: ENV 4561 or equivalent. C.I. Coverage of equilibrium/aquatic chemistry, softening and coagulation, and disinfection of water. Microbiology and biochemical reaction as applied to activated sludge system design. Fall.

ENV 5563 ECS-CECE 3(3.0) Environmental and Water Resource Systems Analysis: PR: ENV 3001 or C.I. Discussion of environmental and water resources systems with the emphasis on cost-effective pollution prevention, and sustainability in aid to environmental engineering decision making. Occasional.


ENV 5560C COS-BIOL 4(2.6) Entomology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Morphology, physiology, ontogeny, behavior, ecology and population biology of insects. Occasional. M&S fee: $40.00

EPH 5395 ED-CFCS 3(3.0) Physical and Sociological Implications of Handicapping Conditions: Overview of physical and social parameters which contribute to delayed learning or physical impairments in the exceptional populations. Physical interventions and first-aid practices are examined. Occasional.


ESE 4942 ED-TLP 1(1.0) Internship II Seminar: PR: Internship I in the specific discipline; CR: Internship II in the specific discipline. C.I. Student teaching in a secondary school under the supervision of a certified classroom teacher. Graded S/U or Letter Grade. Occasional.

ESE 5219 ECS-IEMS 3(3.0) Nonlinear Optimization: PR: ESI 4234 or equivalent, or C.I. Reliability theory and modeling approaches. Topics include: failure data analysis, reliability, optimization, and sensitivity analysis. Fall.

ESE 5236 ECS-IEMS 3(3.0) Total Quality Improvement: PR: STA 3032 or equivalent. Quality improvement (QI) tools and techniques, advanced QI techniques, quality improvement systems, total quality management concepts and implementation, planning and management tools, and case studies. Odd Fall.

ESE 5306 ECS-IEMS 3(3.0) Risk Assessment and Management: PR: STA 3032 or equivalent. Risk assessment and management. Selected methodologies are illustrated through realistic applications in engineering and the sciences. Occasional.

ESE 5419C ECS-IEMS 3(2.2) Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practical or analyses. Odd Fall. M&S fee: $45.00

ESE 5531 ECS-IEMS 3(3.0) Engineering Applications of Linear and Nonlinear Optimization: PR: ESI 4312 or ESI 5306. Course covers linear and nonlinear optimization applications in production planning, staffing, engineering design, distribution networks, and other engineering areas. Focuses on practical or analyses. Odd Fall. M&S fee: $45.00

EST 3211 ECS-ENT 3(3.0) Wave Photonics: PR: EST 3222, and EET majors. Wave properties of light, interaction with different media, and photonic technologies and systems based on wave nature of light. Spring.

EST 3213 ECS-ENT 3(3.0) Photonics Simulation: PR: EST 3222. The behavior of light in standard optical systems consisting of both refractive and reflective light. Begin with general optic principles and end with system design. Not open to Physics majors or minors. Fall.
EST 3222
ECS-ENT 3(3,0)
Photronics Technology: PR: PHY 2053C, PHY 2054C, MAC 3401, MAC 2253, and MAC 2253 or MAC 2311. Course will introduce engineering technology students to the field of photronics. Light properties, optics, lasers, systems. Fall.

EST 3543C
ECS-ENT 3(2,2)
Programmable Logic Applications and Devices: Integration of MAC 1105, EET 3085C or equivalent. Builds on knowledge of logic fundamentals and integrated circuits, and number systems. Topics include logic gates, test and test systems using programmable logic protocol. Fall, Spring.

EST 4225
ECS-ENT 3(3,0)
Manufacturing of Photons: PR: EST 3222. Manufacturing processes and practices of photon devices and systems. Tolerance studies, manufacturing lines, tests, measurements, and other topics related to low and high volume photonic manufacturing. Fall.

EST 4227
ECS-ENT 3(3,0)
Photonic Sensors and Devices: PR: EST 3212. EST 3211. How light is converted to electrons to incorporate an electronic system. Standard means of detecting light such as photodiodes and charge-coupled devices will be covered. Spring.

EST 4236
ECS-ENT 3(3,0)

EST 4256
ECS-ENT 3(3,0)
Photonic Communications: PR: EST 4227, EST 4226. The use of light as media for transmission of information. Modulation techniques, light transmission through different mediums, and detection and demodulation. Spring.

EST 4502C
ECS-ENT 4(3,2)
Metrology and Instrumentation: PR: EGT 3541, EET 3008C or equivalent. An introduction to the basic concepts and terminology of metrology and instrumentation. Theory, procedures and techniques essential to industrial measurement and laboratory practice are covered. Spring.

ETC 4206
ECS-ENT 3(3,0)
Construction Estimating: PR: MAC 1114, & EGN 11110C or equivalent & ETC 4240C. Techniques of making estimates and computations of materials, labor, equipment, overhead costs and profits. Software packages are utilized. Spring.

ETC 4241C
ECS-ENT 3(2,2)
Construction Materials and Methods: CR: EGT 3541. Construction properties, details, materials and conditions used as related to the construction of buildings. Fall.

ETC 4242
ECS-ENT 3(3,0)
Construction Contracts and Specifications: The role of construction contracts, architectural specifications, product specifications, industry standards and building codes in the process of building construction. Spring.

ETC 4243
ECS-ENT 4(4,0)

ETC 4414C
ECS-ENT 3(2,2)

ETC 4415C
ECS-ENT 3(3,2)

ETD 2350C
ECS-ENT 3(2,2)
Applied CADD: PR: Junior Standing. This course in computer-aided drafting/design provides the student with the opportunity to approach detailed and intricate drafting/design problems from a computer perspective. Fall.

ETG 3533C
ECS-ENT 4(3,2)

ETG 3541
ECS-ENT 3(3,0)
Applied Mechanics: PR: MAC 1105 and MAC 1114 or PHY 2053C or equivalent. Notion of force, parallel, concurrent, and non-concurrent forces. Centroids, CG's, moments of inertia. Principles of dynamics, rectilinear motion and rotation, work, energy, power, impulse, momentum, and impact. Fall, Spring.

ETG 4950C
ECS-ENT 3(1,4)
Senior Design Project: PR: Senior Standing. Engineering Technology major and must be within 18 hours of graduation. Supervised individual or group projects involving project definition, planning, development, testing, and evaluation. Fall, Spring.

ETG 5918
ECS-ENT 3(3,0)
Applied Research Methods: PR: Graduate standing or C.J. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports. Fall.

ETI 3116
ECS-ENT 3(3,0)

ETI 3418C
ECS-ENT 3(2,2)
Computer Numerical Controls - Machining Applications: PR: ETO 2900C. Theory of machine and concepts for machining, computer numerical control programs, types of operations, cutting tools, machine tools, and electrical discharge machines. May be repeated for credit. Occasional.

ETI 3421
ECS-ENT 3(3,0)

ETI 3651C
ECS-ENT 3(2,2)
Computer Applications: PR: MAC 1105, and Junior standing. Standard engineering software packages found in most companies, institutions, and organizations to solve engineering problems. Fall, Spring.

ETI 3671
ECS-ENT 3(3,0)

ETI 3690
ECS-ENT 3(3,0)
Technical Sales: PR: Junior standing or C.I. Application of technical knowledge to sales and service. Relationship of technical sales organization to production, customers, and competitors. Even Spring.

ETI 4150
ECS-ENT 3(3,0)
Spacecraft Quality Assurance And Testing: PR: PHY 2053C, MAC 2253 or equivalent. Quality assurance, reliability, and testing of hardware and software, with the examination of designing, manufacturing, testing, and operation. Occasional.

ETI 4186
ECS-ENT 3(3,0)
Applied Reliability: PR: ETI 3116. Practical application of reliability concepts and analysis applicable to the design, production and logistics phases of systems and system components. Odd Spring.

ETI 4205
ECS-ENT 3(3,0)
Applied Logistics: PR: ETI 3116 or C.I. Introduction to logistics. Emphasis on practical applications. Includes systems engineering, cost/systems effectiveness, reliability, maintainability, system functional analysis, logistic support analysis, life cycle cost analysis. Fall.

ETI 4381
ECS-ENT 3(3,0)
Ground System Design: PR: PHY 2053C. Overview of ground systems and operation, its architecture and technology. Cost and performance trade-offs in the spacecraft-to-ground communications link and ground system design. Occasional.

ETI 4382C
ECS-ENT 3(1,4)

ETI 4448
ECS-ENT 3(3,0)
Applied Project Management: PR: Junior Standing. Techniques of project management and the preparation, scheduling, and resource allocation methods. Techniques will be appropriate for large and small projects within commercial, academic, or non-profit organizations. Spring.

ETI 4480C
ECS-ENT 3(2,2)

ETI 4635
ECS-ENT 3(3,0)
Technical Administration: PR: Junior Standing. Techniques of applying ground systems and design of professional positions held by Engineering Technologists. Management functions of planning, organizing, motivating, and controlling, production, sales, and service. Fall, Spring.

ETI 4640
ECS-ENT 3(3,0)
Operations Management for Technologists: PR: ETI 4635C. Scheduling techniques (PERT, CPM), are presented. Time Study Methods, Work Sampling and MTM are covered. Fall.

ETI 4661C
ECS-ENT 3(2,2)
Applied Facilities Planning and Design: PR: ETI 3423, engineering drawing and senior standing. The drafting and manufacturing facilities and material handling systems. Occasional.

ETI 4700
ECS-ENT 3(3,0)

ETI 4835
ECS-ENT 3(3,0)
Rocket Propulsion Technology: PR: PHY 2053C. Calculus I, II, C. Principles of rocketry; solid, liquid and hybrid rocket stages; specific impulse computations; fuel and oxidizer computations; nose cone, and nozzle designs; ignition mechanisms. Fall.

ETI 4836
ECS-ENT 3(3,0)
Space Systems Technology: PR: PHY 2053C. Applied space technology, design of space systems, space environment, flight dynamics, atmospheric drag, power supply, communications technology. May be repeated for credit. Fall.

ETI 4838
ECS-ENT 3(3,0)
Flight Dynamics Technology: PR: PHY 2053C. Calculus I, II, C. Orbital trajectory design; analysis of vehicle sustained g-forces; vehicle vibration analysis; orbital maneuvering; atmospheric reentry; launch windows; rocket apogee and down range computations; wind corrections and launch angles. Spring.

ETM 4220
ECS-ENT 3(4,0)

ETM 4231C
ECS-ENT 3(4,2)
Applied Heat Transfer: PR: ETC 3451 or equivalent. MAC 2253 or MAC 2311. An introduction to the basic concepts and applications of conduction, convection and radiation heat transfer. Basic energy balances and their applications are emphasized. Study state and transient problems are evaluated, including numerical solutions. Occasional.
UCF Courses and Descriptions

EUV 5415 CAH-HIST 3(3,0) Rome and Early Christianity: PR: Graduate standing or C.I. Special trends in historic literature in Christianity from its development as a distinct religion to its relations with and eventual “triumph” within the Roman Empire. Occasional.

EUV 5459 CAH-HIST 3(3,0) Colloquium in French History: PR: Graduate standing or C.I. Readings in selected topics in French History. May be used in the degree program a maximum of 3 times. Occasional.

EUV 5546 CAH-HIST 3(3,0) Colloquium: British History: PR: Graduate status or senior standing or C.I. Selected topics in British History. There is no standard syllabus because content is different from each offering. May be repeated for credit only when course content is different. Occasional.

EUV 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.

EUV 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.

EUV 5608 CAH-HIST 3(3,0) Colloquium: European Intellectual History: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics of European intellectual history. Occasional.

EVR 5930 COS-BIOL 1(1,0) Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing a broad base of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.

EXP 3062 ED-TLP 3(3,0) Professional Role of the Vocational Teacher: PR: EVT 3365 or C.I. Occasional.

EXP 3312 ED-TLP 3(3,0) Course Construction in Health Occupations Education: PR: EVT 3365 or C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

EXP 3365 ED-TLP 3(3,0) General Methods/Testing Evaluation in Vocational Education: General teaching methods, testing and evaluation. Techniques specific to Vocational Education and Industry Training. Odd Fall.

EXP 3367 ED-TLP 3(0) Evaluation of Vocational Instruction: PR: EVT 3371 or C.I. Study, practice, and achievement of competency in assessing student cognitive, affective, and psychomotor performance in vocational education. Spring.

EXP 3371 ED-TLP 3(3,0) Course Construction in Industrial Education: PR: EVT 3365 or C.I. Planning and preparing instructional materials, organizing and managing the Industrial Education laboratory, and involvement in VICA. Occasional.

EXP 3502 ED-TLP 3(3,0) Special Needs of Vocational Students: PR: EVT 3365 or C.I. Achievement of teacher competency in meeting the special needs of the handicapped, culturally different, slower learner, those with basic skill deficiencies, and those in non-traditional programs. Spring.

EXP 4085 ED-TLP 3(3,0) Principles and Practices of Technical Education: PR: EVT 3365 or C.I. Integrating historical principles, career structure, and current trends in technical education. Fall.

EXP 4169 ED-TLP 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.

EXP 4368 ED-TLP 3(3,0) Advanced Teaching Techniques for Vocational Education: PR: EVT 3365 or C.I. Study, practice, and achievement of techniques including cooperative learning, simulation, instructional modeling and evaluation of instructional effectiveness. Fall.

EXP 4815 ED-ERTL 3(3,0) Safety in the Technical Education Classroom and Laboratory: PR: EVT 3365 or C.I. Federal regulations, safety practices, guidance, and support materials for technical trainers and teachers in school and industrial settings. Occasional.

EXP 5260 ED-TLP 2(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.

EXP 5266 ED-TLP 2(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.

EXP 5561 ED-TLP 2-3(2-3,0) Student Guidance in the Vocational Program: PR: Basic Teacher Certificate or C.I. Achievement of skills used by teachers as they gather student data, confer with students, and help students plan for employment or further education. Occasional.


EXP 4507C COS-PSYCH 3(1,4) Advanced Human Memory and Cognition: PR: PSY 3213, EXP 3604. In-depth coverage of experimental research on human memory and cognition. Occasional. M&S fee: $15.00

EXP 5208 COS-PSYCH 3(3,0) Sensation and Perception: PR: Graduate status or senior standing and C.I. A study of human information processing with regard to physical and psychological variables in sensory and perceptual phenomena. Odd Spring.

EXP 5254 COS-PSYCH 3(3,0) Human Factors and Aging: PR: Graduate standing, post bacc or senior standing with C.I. An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design. Even Fall.

EXP 5256 COS-PSYCH 3(3,0) Human Factors I: PR: Graduate status or senior standing or C.I. Survey of human factors literature. Introduction to topics including human capabilities and human interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0) Psychology of Learning and Motivation: PR: DEP 5557, and graduate status or senior standing or C.I. Foundations of theories and research concerning the acquisition and retention of behavior, as well as motivational factors which influence learning and behavior. Occasional.

FIL 1000 CAH-FILM 3(3,0) Cinema Survey: Introductory course that focuses on different approaches to studying cinema. Fall, Spring.

FIL 1000H CAH-FILM 3(3,0) Honors Cinema Survey: PR: Permission of Honors. Introductory course that focuses on different approaches to studying cinema. Honors-level content. Fall, Spring.

FIL 1007 CAH-FILM 3(3,0) Foundations of Story: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Analysis of dramatic and cinematic narrative structures, both plot and character, from historical and cultural perspectives. Fall, Spring.

FIL 1008 CAH-FILM 3(3,0) Cinematic Expression/Art Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, and lighting styles. Fall, Spring. M&S fee: $5.00

FIL 1009 CAH-FILM 3(3,0) Cinematic Expression for Majors: PR: Film BFA or World Cinema major, and FIL 1100 or FIL 1007. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, and lighting styles. Spring.

FIL 1100 CAH-FILM 3(3,0) Foundations of Story for Majors: PR: Film BFA or World Cinema major. Analysis of dramatic and cinematic narrative structures, both plot and character, from a historical and cultural perspective. Occasional.

FIL 1422 CAH-FILM 3(3,0) Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post production. Occasional.

FIL 2030 CAH-FILM 3(2,2) History of Motion Pictures: The history of motion pictures as art and industry; from 1895 to the present. Fall, Spring. M&S fee: $0.00

FIL 2107 CAH-FILM 3(3,0) Script Analysis: PR: PR or CR: ENC 1101, and FIL 1007 or FIL 1100. Introduction to dramatic and visual storytelling techniques used in both traditional and non-traditional filmmaking and screenwriting. Fall, Spring.

FIL 2423 CAH-FILM 3(3,0) Foundations of Production: PR: Digital Media or Cinema Studies major, or Cinema Studies minor. Basic production techniques used in film making. Students must supply their own video equipment and editing equipment. Any format is acceptable. Fall, Spring.

FIL 2461 CAH-FILM 3(3,0) Cinematography I: PR: FIL 2274C and FIL 2480. Concepts and tools of cinematography and lighting. Fall. M&S fee: $5.00

FIL 2480 CAH-FILM 3(3,0) Directing for Film I: PR: FIL 1007 or FIL 1100, FIL 1008 or 1009, and FIL 3247C. PR or CR: FIL 3115. Introduction to processes and techniques for film directing. Spring.

FIL 2481 CAH-FILM 3(3,0) Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.
FLE 3433 ED-TLP 3(3,0) Foreign Language Teaching in the Secondary School: EDG 4323 or EDG 6236, and proficiency in the target language and English. Methods of teaching foreign languages at the secondary level within a communicative framework. Current instructional techniques in listening, speaking, reading, and writing skills. Testing, error correction. May be repeated for credit. Occasional.

FLE 5331 ED-TLP 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4323, or EDG 6236, or classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the K-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-TLP 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4323 or EDG 6236, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FRE 2240 CAH-LANG 3(3,0) Intermediate French Language and Civilization II: PR: FRE 2201 or equivalent. Three semesters of French language. Introduces vocabulary and terminology in various French business activities, as well as standards, procedures, and practices of the French business world. Occasional.

FRE 3441 CAH-LANG 3(3,0) Business French II: PR: FRE 3440 or C.I. Introduction to French business language and practices. Occasional.

FRE 3760 CAH-LANG 3(3,0) Advanced French Oral Communication: PR: FRE 2201, or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of role-life dialogues. Spring.

FRE 3780 CAH-LANG 3(3,0) French Phonetics and Diction: French phonology, with emphasis on phonic groupings. Spring.

FRE 3954 CAH-LANG 6(6,0) Study Abroad in the Caribbean: PR: FRE 2201, or equivalent. Travel through Caribbean islands, studying the diversity within the Creole cultures. May be repeated for credit. Occasional.

FRE 4421 CAH-LANG 3(3,0) Advanced French Conversation: PR: FRE 3760. Advanced conversation on directed topics from various disciplines; literature, art, psychology, philosophy, music, business, and the sciences. Fall.

FRE 4422 CAH-LANG 3(3,0) Advanced French Composition: PR: FRE 3420. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.

FRE 4471 CAH-LANG 6(6,0) Advanced French Cultural Studies Abroad: PR: FRE 2201, or equivalent, or C.I. Students will develop strong conversational skills at the third year level while studying French culture. May be repeated for credit. Occasional.


FRE 4503 CAH-LANG 2(2,0) Quebecois Civilization: PR: 2 years of college level French or equivalent. An introduction to the main epochs and events in the history of the French civilization in North America with particular emphasis on Quebec. Occasional.

FRE 4782 CAH-LANG 2(2,0) Advanced French Phonetics and Diction: PR: 2 years of college level French or equivalent. Introduces cognates in French phonetics and diction with both prose and poetry with particular emphasis on difficulties for speakers of English. Occasional.

FRT 3140 CAH-LANG 3(3,0) French and Francophone Literature Masterworks in Translation: PR: FRT 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.

FRT 3562 CAH-LANG 3(3,0) French Contemporary Pop Culture: PR: FRT 2200. Examination of Modern France and its culture, with emphasis on contemporary trends in language, music, fashion, fiction, press, cyberculture, street arts, and food. Occasional.

FRT 4421 CAH-LANG 3(3,0) French Medieval Literature and Culture: PR: FRT 3960. Provides students with the skills needed to read, discuss, and write about French literature and culture of medieval France. Occasional.

FRW 3100 CAH-LANG 3(3,0) Survey of French Literature I: PR: FRE 2201 or equivalent. Main literary currents and works from the Middle Ages through the 18th century. Fall.

FRW 3101 CAH-LANG 3(3,0) Survey of French Literature II: PR: FRE 2201 or equivalent. Main literary currents and works of the 19th and 20th centuries. Spring.

FRW 3370 CAH-LANG 3(3,0) Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. Selected readings designed to introduce students to the different literary styles of the various eras. Authors include: Voltaire, Maupassant, Flaubert, Camus, and others. Occasional.

FRW 3740 CAH-LANG 3(3,0) The French Literature of Canada: PR: FRE 2201 or equivalent. A survey of the French literature of Canada from the late 19th century to the present, with particular emphasis on the novel and short story. Occasional.

FRW 3752 CAH-LANG 3(3,0) French Caribbean Literature: PR: FRE 2201 or equivalent. Literature of the French speaking Caribbean from colonial times to the present, in French. Occasional.


FRW 3770 CAH-LANG 3(3,0) Francophone Literature: PR: FRE 2201. The literature of the Francophone world. Students will read, analyze and discuss literary works written in French. Even Spring.

FRW 3810 CAH-LANG 3(3,0) French Literary Texts and Analysis: PR: FRE 3760. French literature and literary analysis from the Middle Ages to the present. Course is conducted in French. Fall.

FRW 4281 CAH-LANG 3(3,0) 20th Century French Novels: PR: FRW 3100 or FRW 3101 or equivalent. Contemporary French Novel. Will focus on post-war authors, both traditional and avant-garde, such as Saramago, Beckett, Buto, Curnu, Malraux and Sarrate. Occasional.

FRW 4310 CAH-LANG 3(3,0) Seventeenth Century French Theatre: PR: FRW 3100. Comedie, Racine, and Moliere. A study of the lives and principal works of the authors. Occasional.

FRW 4324 CAH-LANG 3(3,0) 20th Century French Drama: PR: FRW 3100 or FRW 3101 or equivalent, or C.I. Concentration on traditional and avant-garde theatre after WWII, such as the works of Beckett, Camus, Claudel, Claudoux, Ionesco, and Sarrie; different literary approaches will also be used. Occasional.


FRW 4440 CAH-LANG 3(3,0) French Literature of the Eighteenth Century: PR: FRW 3100. The philosophical movement: Montesquieu, Voltaire, Diderot, Buffon. Odd Fall.


FRW 4820 CAH-LANG 3(3,0)  
Styletics: PR: FRE 3420 or equivalent. An intense study of textual criticism. An examination of the relationship between language and literature; explications and linguistic analysis of literary texts. Occasional.

FSS 2221C RCHM-HOS 4(3.3)  
Techniques of Food Preparation: Basic principles of food and beverage preparation, service, and menu development. Fall, Spring. M&S fee: $45.00

FSS 2784C RCHM-FOOD&LODG 4(3.3)  
Food Preparation for Catered Events: The management and organizational techniques of food preparation, service, and menu development for catered events. Methods and procedures for on and off premise catered events. Occasional.

FSS 3008 RCHM-HOS 3(3,0)  
Catering and Cuisine: PR: FSS 2221C and HFT 3263. The management and organizational techniques of food preparation, service, and menu development for catering events. The major theoretical and geographical developments that have affected the creation of the cuisines of the world. Spring.

FSS 3124 RCHM-HOS 3(3,0)  
Supply and Procurement Management: PR: HFT 1000 and junior standing or C.I. The purchasing procedures, specifications, and controls of food and related products in the hospitality industry. Occasional. M&S fee: $45.00

FSS 3223C RCHM-HOS 3(1,3)  
Intermediate Techniques of Food Production: PR: HFT 4206C. An advanced food production course which allows the student the opportunity to develop skills in pantry, garnishing, and catering. Laboratory class, occasional. M&S fee: $45.00

FSS 4135 RCHM-HOS 3(3,0)  
Corporate Contract and Managed Services Organizations: PR: HFT 3263. The unique characteristics of managed services including contracting, commodity purchasing, pricing, and revenue management. Occasional.

FSS 4286C RCHM-HOS 3(3,1)  
Catering and Banquet Organization: PR: FSS 2221C and junior standing or C.I. Methods and procedures for successful on and off premise catering functions. Emphasis on food and beverage preparation, menu planning, service and sales techniques. Laboratory class. Occasional. M&S fee: $45.00

GEA 4405 CAH-LANG 3(3,0)  
Geography of Latin America: PR: ENC 1102 or C.I. Geography of Latin America and the Caribbean, including physical, cultural, economic, and social characteristics and processes. Occasional.

GEB 1091C BA-BUS 2(1,1)  
Foundations of Leadership: PR: LEAD Scholars Program or permission of LEAD Scholars in the College of Business providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

GEB 2350 BA-MAR 3(3,0)  
Foundations of Business: Introduction to the U.S. business system and the role it plays in a global economy. Fall.

GEB 3031 BA-MAN 3(3,0)  
Cornerstone: Professional Skills for Business: PR: Junior standing. An orientation to opportunities and challenges facing managers in contemporary business organizations. Introduces competencies of team work, communication, creative thinking, and adapting to change. Fall, Spring.

GEB 3031L BA-MAN 1(0,2)  
Cornerstone Lab: Professional Skills for Business: PR: CBA major/minor or approved major/minor OR GEB 3031. Students apply concepts and principles introduced in GEB 3031 and related skills essential to academic and professional success. Fall, Spring.

GEB 3113 BA-MAN 3(3,0)  
How to Start a Business: PR: Sophomore standing. Provides background and tools necessary to understand and participate in the entrepreneurial process within a large company, new venture, or growing a small business. Occasional.

GEB 3375 BA-FIN 4(4,0)  
Introduction to International Business: PR: Junior and senior standing and GEG 2071, GEO 2013 and ECO 2023. Understanding the interdependence of globalized world economy and similarities between domestic and international business domains. Fall, Spring.

GEB 3375H BA-FIN 4(4,0)  

GEB 4110 BA-MAN 3(3,0)  
Business Plan Preparation: PR: MAN 4852 or GER 4152. Develop a new venture plan evolving from an original concept through a process that incorporates all the elements of a professionally written business proposal. Fall, Spring.

GEB 4111 BA-MAN 3(3,0)  
New Venture Finance: PR: MAN 4802 or GER 4152. Provides hands-on processes for developing financial information necessary such as budgets and pro forma financial statements to start up a new venture. Odd Fall, Even Spring.

GEB 4152 BA-MAN 3(3,0)  

GEB 4361 BA-FIN 3(3,0)  

GEB 4363 BA-FIN 3(3,0)  
Export and Import Management: PR: Finance major, Junior standing and admission to CBA. Focuses on the management of export/import business and provides students with knowledge about international trade. Occasional.

GEB 4374 BA-FIN 3(3,0)  
International Negotiations and Transactions: PR: Finance major. Junior standing and admission to CBA. Focuses on understanding the concepts and skills required for international negotiations and transactions. Occasional.

GEB 4435 BA-MAN 3(3,0)  

GEB 4824 BA-BUS 3(3,0)  
Business Law in Sport & Entertainment: PR: SPB 3003. Understanding of the legal issues involved in the operation and management of organizations in the sport and entertainment industries. Fall.

GEO 2370 ECS-CECE 3(3,0)  
Resources Geography: Analysis of basic principles of human geography 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: Analysis of factors which affect power relations among nations, including area, location, political styles, ethnic divisions, and the politics of energy. Fall, Spring.

GER 1120C CAH-LANG 4(3,1)  
Elementary German Language and Civilization I: PR: Placement test. Introduces the student to German culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Fall, Spring.

GER 1120H CAH-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, and writing. Open only to students with no experience in this language. Honors level content. Occasional.

GER 1121C CAH-LANG 4(3,1)  
Elementary German Language and Civilization II: PR: GER 1120C or equivalent. Continuation of GER 1120C. Fall, Spring.

GER 1121H CAH-LANG 4(4,1)  
Honors Elementary German Language and Civilization II: PR: GER 1120H or equivalent and permission of Honors. Continuation of GER 1120H, with honors-level content. Occasional.

GER 2200 CAH-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(3,0)  
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(0,0)  
Intermediate German Study Abroad: PR: GER 1121C or equivalent. Intermediate German language and culture taught in the native environment. Occasional.

GER 2271 CAH-LANG 2(0,0)  
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 lectures, readings, films, and other media. In German. Occasional.

GER 3102 CAH-LANG 3(3,0)  
German 1850 - Past to Present: PR: GER 3710 or GER 3420 or equivalent. Cultural development that shaped modern Germany. Students will read and discuss selected texts from different literary periods and view the influences they had on culture and daily life. Course conducted in German. Occasional.

GER 3272 CAH-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 lecture, readings, films, and other media. In German. Occasional.

GER 3420 CAH-LANG 3(3,0)  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>GER 3440</td>
<td>CAH-LANG Business German I: PR: GER 2200. Introduction to German business language and practices. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>GER 3441</td>
<td>CAH-LANG Business German II: PR: GER 3440. Continuation of Business German I. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>GER 3470</td>
<td>CAH-LANG Advanced German Study Abroad: PR: GER 2201. Advanced German grammar in the context of conversation and composition taught in the native environment. Occasional.</td>
<td>6(6,0)</td>
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<tr>
<td>GER 3760</td>
<td>CAH-LANG Advanced German Oral Communication: PR: GER 2201 or equivalent. Vocabularly building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Even Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>GER 3780</td>
<td>CAH-LANG German Phonetics and Diction: PR: GER 2201. The fundamental principles of German pronunciation. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>GER 4422</td>
<td>CAH-LANG 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.</td>
<td>3(3,0)</td>
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<tr>
<td>GER 4510</td>
<td>CAH-LANG 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.</td>
<td>3(3,0)</td>
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<tr>
<td>GER 4520</td>
<td>CAH-LANG Modern Germany: PR: Given in German. A survey course designed for students interested in the human dimensions associated with the postwar transformation of Germany from one of Western Europe's most unified and controlled states to the founding nation of European Community. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>GEW 3100</td>
<td>CAH-LANG Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>GEW 3101</td>
<td>CAH-LANG Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>GEW 3370</td>
<td>CAH-LANG Short Story: PR: GER 2201 or equivalent. Main short prose works of the 19th and 20th centuries. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>GEW 3480</td>
<td>CAH-LANG German Post-War Literature: PR: GER 2201. This course covers the works of German, Austrian and Swiss writers after World War II. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>GEW 4482</td>
<td>CAH-LANG 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.</td>
<td>3(3,0)</td>
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<td>GEW 4531</td>
<td>CAH-LANG 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.</td>
<td>3(3,0)</td>
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<tr>
<td>GEY 3001</td>
<td>HPA-SOWK Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences and health. May be repeated for credit. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>GEY 3326H</td>
<td>COS-PSYCH Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of issues in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors consent. Occasional.</td>
<td>3(3,0)</td>
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</table>
HAI 1120 CAH-LANG 3(4,0)
Elementary Haitian Language and Culture I: Introduction to Haitian culture through the major language skills; listening, speaking, reading and writing. Occasional.

HAI 1121 CAH-LANG 3(4,0)

HBR 1120 CAH-JUD 4(4,0)
Elementary Modern Hebrew Language and Culture I: Designed to initiate the student to the major language skills; listening, speaking, reading and writing, as well as to constitute an introduction to Israeli culture. Fall.

HBR 1121 CAH-JUD 4(4,0)
Elementary Modern Hebrew Language and Culture II: PR: HBR 1120 or equivalent. Continuation of HBR 1120. Spring.

HBR 2200 CAH-JUD 3(3,0)
Intermediate Modern Hebrew I: PR: HBR 1121 or equivalent. Designed to continue the study of Modern Hebrew. Increase proficiency in conversation, reading and writing 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 history, structure, and operating procedures. Fall, Spring.

HFT 1356 RCHM-TEA 3(3,0)

HFT 2220 RCHM-HSP SERV 3(3,0)
Hospitality Human Resources Management: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

HFT 2254 RCHM-HOS 3(3,0)
 Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.

HFT 2359 RCHM-TEA 3(3,0)
Design & Maintenance of Golf Equipment: Knowledge and application of golf club design principles and club repair procedures. Occasional.

HFT 2401 RCHM-HSP SERV 3(3,0)

HFT 2500 RCHM-HSP SERV 3(3,0)
Hospitality and Tourism Marketing: PR: HFT 1000. The application of marketing concepts to the Hospitality and Tourism Industry. Special emphasis on marketing planning and strategic marketing. Fall, Spring.

HFT 2750 RCHM-TEA 3(3,0)
The Event Industry: Overview of meetings, conventions, special events and exhibitions including the roles of organizations and people involved in the businesses that comprise this industry. Fall, Spring.

HFT 3263 RCHM-HOS 3(3,0)
Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Focuses on the topics integral for the successful management of restaurant and food service organizations. Fall, Spring.

HFT 3273 RCHM-HOS 3(3,0)
Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.

HFT 3285 RCHM-HOS 3(3,0)

HFT 3323 RCHM-HSP SERV 3(3,0)
Hospitality Physical Plant Management: PR: Junior standing and integral to the physical plant and structure of enterprises in the hospitality industry. Spring.

HFT 3353 RCHM-TEA 3(3,0)

HFT 3354 RCHM-TEA 3(3,0)
Agronomy for Golf Course Management: PR: HFT 3353. Primary roles and responsibilities of the golf course superintendent. Occasional.

HFT 3355 RCHM-TEA 3(3,0)

HFT 3357 RCHM-TEA 3(3,0)

HFT 3373 RCHM-TEA 3(3,0)
Event Design, Production & Technology: PR: HFT 1000, HFT 4750, and HFT 3273, or C.I. Aspects of technology for different event processes. Fall, Spring.

HFT 3374 RCHM-TEA 3(3,0)
Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, and HFT 3670, or C.I. The study of making decisions from the guest's point of view in the hospitality industry. Fall, Spring.

HFT 3384 RCHM-TEA 3(3,0)
Multi Media Applications in Exhibitions: PR: HFT 1000, HFT 2750, or C.I. The management of the audio and visual process of a large exhibition. Occasional.

HFT 3388 RCHM-TEA 3(3,0)
Golf and Club Enterprises Management: PR: HFT 1000 and FSS 2221C. Comprehensive examination of the golf and club management industry, its related national and international associations, and career path opportunities. Occasional.

HFT 3431 RCHM-HSP SERV 3(3,0)
Hospitality Industry Managerial Accounting: PR: HFT 2401 and junior standing or C.I. Presentation, interpretation, and analysis of internal and external hospitality industry financial reports affecting management decisions using hospitality industry systems of accounting. Fall, Spring.

HFT 3443 RCHM-TEA 3(3,0)
Event Technology: PR: HFT 1000 and HFT 2750, or C.I. Use of technology in the event industry to solidify processes and help people be more productive. Covers types of technology for different event processes. Occasional.

HFT 3444 RCHM-HSP SERV 3(3,0)
Hospitality Information Systems: PR: CGS 2100C, HFT 2754, and HFT 3263, or C.I. Focuses on management functions and practices, information systems and technology in hospitality. Higher tech for higher touch building on computer literacy and operation knowledge. Fall, Spring.

HFT 3512 RCHM-TEA 3(3,0)
Event Promotion: PR: HFT 1000, HFT 2750, and HFT 2500; or C.I. Promotion of events to sponsors, attendees, exhibitors and other participants. Occasional.

HFT 3515 RCHM-HOS 3(3,0)
Reservations Sales & Marketing: PR: HFT 1000, HFT 2750, or C.I. Provides insight to all aspects of planning, performing and measuring room sales activities. Focus will be to manage all distribution channels to maximize profitability. Odd Fall.

HFT 3517 RCHM-TEA 3(3,0)
Convention and Conference Sales: PR: HFT 2750 and junior standing or C.I. In-depth understanding of the sales process for the convention market. Covers the people, methods, materials and equipment needed. Fall.

HFT 3519 RCHM-TEA 3(3,0)
Event Sales: PR: HFT 2500 and HFT 3519, or C.I. Focuses on the sales processes 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: Junior standing or C.I. The study of making decisions from the guest’s point of view in the hospitality industry. Fall, Spring.

HFT 3574 RCHM-HOS 3(3,0)
Franchising in the Restaurant Industry: PR: Restaurant Management Core or C.I. Addresses the legal requirements for franchising, contract rates, responsibilities, size, structure, and history. Fall.

HFT 3603 RCHM-HSP SERV 3(3,0)

HFT 3610 RCHM-HOS 3(3,0)

HFT 3654 RCHM-HOS 3(3,0)
Management in the Restaurant Industry: PR: Restaurant Management Core. Examines the legal environment and system as related to the Hospitality/Tourism Industry. Fall, Spring.

HFT 3670 RCHM-HOS 3(3,0)
Hospitality and Event Risk Management: PR: HFT 1000, HFT 2750, or C.I. Risk, crisis, and liability issues that may arise in the planning and management of special events, meetings, conventions, and exhibitions. Occasional.

HFT 3700 RCHM-TEA 3(3,0)
Tourism Management: PR: HFT 1000 and junior standing or C.I. Analysis of the tourism phenomenon in contemporary societies. An exploration of major concepts about tourism as an inter-linked industry composed of many sectors within both the private and public sectors. Fall, Spring.

HFT 3741 RCHM-HOS 3(3,0)
Meeting Management: PR: HFT 4753 and HFT 4754. The process of meeting planning, from setting objectives to analyzing the success of the event. Fall, Spring.

HFT 3770 RCHM-TEA 3(3,0)
Cruise Line Operations and Management: PR: HFT 1000 and junior standing or C.I. Understanding of cruise company operations and management. Shipboard organization and delivery of the cruise product to the guest. Occasional.

HFT 3785 RCHM-TEA 3(3,0)
Management of Gaming Enterprises: PR: Junior level standing. An in-depth study of gaming-based organizations including cruise ships, Indian reservation casinos, and others. The history and development of gaming organizations, the economics, social, and cultural impact of gaming and managerial challenges and opportunities in the industry. Occasional.
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 4737 RCHM-TEA 3(3,0) Convention and Conference Services: PR: HFT 3512 or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4740 RCHM-TEA 3(3,0) Catering Sales and Operations: PR: HFT 3512 and 3700, or C.I. Emphasis on logistics, market segments, and service. Fall, Spring. M&S fee: $45.00

HFT 4744 RCHM-HOS 3(3,0) Sanitation in the Food Service Industry: PR: HFT 3700 and junior standing or C.I. Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

HFT 4861C RCHM-HOS 3(3,1) Beverage Management: PR: Minimum age of 21 by the first day of class and junior standing. The origin production, storing, marketing, and control of beverages in the hospitality industry. Spring. M&S fee: $45.00

HFT 4864 RCHM-HOS 3(3,0) Seminar in Quality Brewing and Fine Beer: PR: HFT 1000, HFT 2623. Minimum age of 21. The production and service of malt beverages. Spring. M&S fee: $45.00

HFT 4865 RCHM-HOS 3(3,0) Advanced Wine Management: PR: HFT 4866C or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee: $45.00

HFT 4866C RCHM-HOS 3(3,1) Exploring Wines of the World: PR: HFT 1000; HFT 3263; and Age of 21 or C.I. Using senses to evaluate wines, methodology of tasting and evaluating wines, growing, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&S fee: $45.00

HFT 4894 RCHM-HOS 3(3,0) International Gastronomy: PR: FSS 2221C, HFT 3700, and C.I. A world view of culture and cuisine that includes an international travel component. May be used in the degree program a maximum of 2 times. Spring.

HFS 4490R RCHM-RCHM 0-5(0,1-5) Cooperative Education: Provides paid, pre-professional work experience related to the students’ major while they continue to attend school. Requires achievement of major-related learning objectives. Graded S/U. Fall, Spring.

HIM 3006 HPA-HMI 3(3,0) Foundations of Health Information Management (HIM): PR: Acceptance into upper-division limited access HIM program or C.I. Orientation to the field of health information management. May be repeated for credit. Occasional.

HIM 3116C HPA-HMI 4(3,2) Health Record Organization and Management: PR: HIM 3006. Nomenclature/classification systems; health and vital statistics; data analysis and presentation; indexing; compilation and control; accuracy and appropriateness; agencies; medical staff organization. Spring.

HIM 3806C HPA-HMI 3(1,4) Professional Practice Experience I: PR: Admission to HIM program or C.I. Foundation of professional role; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

HIS 4070 CAH-HIST 3(3,0) Oral History: PR: Either AMH 2010, AMH 2020 or C.I. Theories and practices of oral history. Field work required. Occasional.

HIS 4150 CAH-HIST 3(3,0) History and Professionals: PR: C.I. A study of European and/or American historiography. May be used in the degree program a maximum of 2 times. Fall, Spring.

HIS 4323 CAH-HIST 3(3,0) History of the Future: PR: EUH 2000 and EUH 2001 or C.I. The future of the world. Past visions of the future and how they were influenced by issues relevant to the period. Emphasis on 19th and 20th centuries. Occasional.

HIS 4490 CAH-HIST 3(3,0) History of Medicine: PR: AMH 2010 or AMH 2020. The history of medicine and its relationship to science and society from the Ancient World to the present. Occasional.

HIS 4935 CAH-HIST 3(3,0) Senior Seminar: PR: Senior standing, history major, and C.I. Research in history through sustained reading, writing, and discussion on a focused topic. May be repeated for credit. Fall, Spring.

HIS 4944 CAH-HIST 3(3,0) Internship in Public History: PR: C.I. The Public History Internship is a one-semester course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

HIS 4970 CAH-HIST 3(3,0) Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. Occasional.
The health care system in the United States. With Honors or minor in College of Health or C.I. Permission of Honors.

The American public health system, looking at the peers.

Strategies for teaching life skills and health education information for secondary students and college age peers. Fall, Spring.


HSA 2100 HPA-HP 3(0,3)
US Healthcare: Introduction and Challenges: HSP in the US as an exercise the professionals, array of services and the social and economic forces affecting their performance. Occasional.

HSC 2921 HPA-HPA 2(0,2)
LEAD Colloquium: PR: Accepted to the LEAD Scholars Program and have completed at least two of the following with a B (3.0) or better: HSC 1030C, EGN 1060C, IDS 1040C, GEB 1070C or EDG 1050C. Experiential leadership in an appropriate setting with the LEAD Scholars Program. May be repeated for credit. Occasional.

HSC 3110 HPA-HP 3(0,3)
Medical Self Assessment: PR: ENC 1101 and MGT 1100. Development of clinical skills and understanding of one’s health to encourage active participation of individuals in their own health care. Fall, Spring.

HSC 3147 HPA-HP 3(0,3)
Introduction to Pharmacology: Review of terminology and regulations. Study of drug types and usage. Fall, Spring.

HSC 3211 HPA-HP 3(0,3)
Preventive Health Care: PR: PCB 3703C. An established interdisciplinary approach to help people maintain health and prevent chronic diseases, stress, and addiction. Fall, Spring.

HSC 3406C HPA-HP 2(3,2)
CPA & First Aid: To train individuals to accept and recognized medical standards in emergency first aid and CPR to include medical, environmental and trauma related emergencies. Occasional.

HSC 3537 HPA-HP 3(0,3)
Medical Terminology: A study of the language of medicine and allied health specialties, including work construction, definitions, and application of terms. Fall, Spring.

HSC 3559 HPA-HPA 3(0,3)
Disabilities in American Society: PR: Junior or senior status. Personal, social, and environmental impediments confronted by persons with disabilities, including communicative disorders. Strategies that promote life satisfaction are also reviewed. Fall.

HSC 3593 HPA-HP 3(0,3)
HIV Disease: A Human Concern: Analysis of the spectrum of HIV disease and the issues surrounding this public health crisis. Fall, Spring.

HSC 3640 HPA-HP 3(0,3)
Health Law: PR: HSC 3111 or C.I. Principles of law as applied to the health field, with special reference to health practices. Fall, Spring.

HSC 4008 HPA-HP 3(0,3)
Professional Development in Health Professions: PR: RET 3026C or C.I. Career development planning, professional leadership approaches to problem solving, regulatory and professional requirements, and the impact of disease and technology on the health care industry. Spring.

HSC 4158 HPA-HP 3(0,3)
Medical Pharmacology I: PR: BSC 2010C and admission to Cardiopulmonary Sciences program, or C.I. General pharmacological principles such as regulations, prescriptions, routes of administration, drug action mechanisms, indications/contraindications, and the side effects of contemporary drug therapy. Fall.

HSC 4159 HPA-HP 2(0,2)
Medical Pharmacology II: PR: HSC 4158 or C.I. Drugs used in cardiovascular disorders. Includes inotropic, chronotropic agents, beta blocker drugs, calcium channel antagonists. Spring.

HSC 4201 HPA-HP 3(0,3)
Community Health: PR: HSA 3111 or C.I. Nutritional, sociocultural and economic factors in community health; current community health problems; interphase of governmental, voluntary and private agencies. Fall, Spring.

HSA 4184 HPA-HP 3(0,3)
Organization & Management for Health Agencies B: PR: HSA 3111 and HSA 4180, or C.I. In-depth analysis of the management and organization of healthcare organizations including hospitals, long term care facilities, and medical group practices. Fall.

HSA 4191 HPA-HP 3(0,3)
Health Care Automation: PR: HSA 3111; CGS 2100C, or C.I. Analysis and design of computerized systems for health data and health administration. Fall, Spring.

HSA 4220 HPA-HP 3(0,3)

HSA 4502 HPA-HP 3(0,3)

HSA 4701 HPA-COM SCADIS 6(6,0)
Introduction to Research in the Health Professions: PR: Senior or post-bac standing. The logic of research and the architecture of basic and applied investigations that are internally and externally reliable and valuable will beOccasional.

HSA 4702 HPA-HP 3(0,3)
Health Sciences Research Methods: PR: HSA 3111; STA 2041C or STA 2023; or C.I. Introduction to research design in the Health Sciences, including design, literature review, testing, analysis, and conclusions. Fall, Spring.

HSA 4939 HPA-HMI 3(0,3)
Health Services Research: Introduction: PR: HSA 3111, HSA 3222, HSA 3430, HSC 4201, HSA 4180, HSA 4184, HSA 4191, HIM 450BC, HSC 4500, HSC 4652. Emphasis on development of health services research. Students will integrate previous coursework to evaluate an existing healthcare organization. Fall, Spring.

HSA 5177 HPA-HP 3(0,3)
Foundations of Health Care Finance: PR: Admission to graduate program in HSA or C.I. Preparatory course for graduate students who are not prepared to take the required health care finance course. Occasional.

HSA 5198 HPA-HP 3(0,3)
Health Care Decision Sciences and Knowledge Management: PR: Graduate standing. Emphasis on development of a general systematic approach to solving problems under uncertainty. The role of informatics and application of information technology in improving management decision making process will be presented. Occasional.

HSA 5257 HPA-HP 3(0,3)
ICD-9 Coding for Health Services Administrators: PR: HSC 6636, B.S. in Health related field, or C.I. Emphasis on developing basic skills to facilitate an understanding of the coding process and the compliance issues relevant to the process. May be repeated for credit. Occasional.

HSA 4109 HPA-HP 3(0,3)
Principles of Managed Care: PR: HSA 3111 or C.I. Course will introduce the contractual, financial, and practice pattern components of Managed care. Even Fall, Spring.

HSA 4150H HPA-HPA 3(0,3)
Honors Health Policy: PR: Permission of Honors and Junior Standing or C.I. Examination of five significant policy issues to enable the student to gain knowledge and understanding of the complexities of health care as a societal occassion. Occasional.

HSA 4180 HPA-HP 3(0,3)
Organization & Management for Health Agencies I: PR: HSA 3111 or C.I. General description and analysis of the management and organization of a variety of healthcare organizations including hospitals, long term care facilities and medical group practices. Fall.
INR 4063 COS-POLS 3(3,0) The Cold War: PR: INR 2002 or C.I. Politics of US-Soviet relations emphasizing the Cold War including the global impact of the Cold War, and prospects for post-Cold War international politics. Occasional.

INR 4064 COS-POLS 3(3,0) Changing Nature of War: PR: POS 2041 or C.I. The changing nature of war in light of significant changes in technology and international politics. Occasional.

INR 4074 COS-POLS 3(3,0) Immigrants Policy: PR: POS 2041, Junior standing or C.I. Analysis of the complex subject of immigration, including U.S. and comparative immigration policy, illegal immigration, alien smuggling, and statelessness and their political/security impact. Occasional.


INR 4076 COS-POLS 3(3,0) Global Drug Policy: PR: POS 2041, Junior standing or C.I. International drug control issues, policy formulation and enforcement, impact of government and political economic concerns on drugs in Selected Latin American and Third World cases. Odd Spring.

INR 4084 COS-POLS 3(3,0) Politics of International Terrorism: PR: POS 2041 or C.I. Nature and politics of terrorism with primary focus on its implications for international relations. Occasional.


INR 4102 COS-POLS 3(3,0) American Foreign Policy: Development of American foreign policy, with emphasis on the role and policies of the United States in the contemporary world. Odd Fall.

INR 4104 COS-POLS 3(3,0) Topics and Cases in American Foreign Policy: PR: POS 2041, Jr. standing or C.I. 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: POS 2041, Junior standing, or C.I. Study of the evolution of American security policy since World War II, including consideration of the social and political costs involved and means of control. Occasional.

INR 4115 COS-POLS 3(3,0) Strategic Weapons and Arms Control: Control of strategic weapons and their impact. Technological and policy aspects, including nuclear proliferation. Occasional.

INR 4224 COS-POLS 3(3,0) Contemporary International Politics of Asia: Examinations of the foreign policies of major and secondary powers in Asia, with particular attention to China and Japan. Occasional.

INR 4225 COS-POLS 3(3,0) The Vietnam War: Background of events leading to America's involvement in Indochina, the course of the Vietnam War, and the lessons which that war imparts. Occasional.

INR 4243 COS-POLS 3(3,0) International Politics of Latin America: Study of contemporary U.S.-Latin American relations, 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: POS 2041. Junior standing, or C.I. Theoretical and methodological variables, including policy analysis and decision-making, which influence select international public policy issues. Occasional.

INR 4335 COS-POLS 3(3,0) Coercion in International Politics: Examination of the role of coercive tactics in modernizing states in a nuclear age, ranging from nuclear strategy and deterrence to wars of national liberation and coups. Even Fall.

INR 4350 COS-POLS 3(3,0) Global Environmental Politics: PR: INR 2002 or POS 2041 or C.I. The unique environmental struggles and political issues that occur on the international and global levels. Fall.

INR 4351 COS-POLS 3(3,0) International Environmental Law: PR: Junior standing 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: POS 2041 or C.I. The intelligence community structures and their role in decision making, consideration of control and reliability questions, and issues of cooperation and coordination. Spring.

INR 4401 COS-POLS 3(3,0) International Law I: PR: Junior standing or C.I. The nature, evolution, and sources of international law and such subareas as recognition of states and governments, jurisdiction, nationality, and aliens. Occasional.

INR 4402 COS-POLS 3(3,0) International Law II: PR: INR 4401 or C.I. Examination of various sub-areas of international law, including maritime law, laws of the sea and seabed, air law, outer space, neutrality, and laws of war. Occasional.

INR 4404 COS-POLS 3(3,0) Space Law: Examination of the legal regime of outer space from both international and national perspectives, and the legal problems arising from human activity in space. Occasional.

INR 4502 COS-POLS 3(3,0) International Organizations: The study of the structure and workings of international organizations of cooperation, including the UN, its affiliates, and various regional organizations. Even Fall, Odd Spring.

INR 4603 COS-POLS 3(3,0) International Relations Theory: PR: INR 2002. Theoretical trends prevalent in the study of international relations, including realism, liberalism, Marxism, feminism, and post-modernism. Occasional.


INR 4774 COS-POLS 3(3,0) Military Space Policy: PR: INR 2002 and junior standing, or C.I. Politics and policymaking involved in militaries globally, consideration of effects on globalization and international policies economic and military. Occasional.

INT 4133 HPA-COM SCADIS 3(3,0) Ethics of Interpreting Sign Language: PR: ASL 2140, ASL 2150, ASL 4161C. A study of the role of the interpreter, including business practices, professional conduct and interpreting settings. Occasional.

INT 4205C HPA-COM SCADIS 4(3,1) Interactive Interpreting II: PR: ASL 2140, ASL 2150 and ASL 4161C or C.I. Theories, guidelines, principles and practices of interpreting, including interpreter's role, professional behavior and interpreting ethics, and environmental considerations of interpreting situations. Occasional.

INT 4206C HPA-COM SCADIS 4(3,1) Interactive Interpreting II: PR: INT 4205C or C.I. Advanced cognitive, linguistic and motor skill development in the use of ASL. Occasional.

ISC 2215 COS-MATH 1(3,0) Interdisciplinary Applications of Calculus I: PR: MAC 2311. Interdisciplinary applications of differential and integral calculus topics in MAC 2311 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.

ISC 2216 COS-MATH 1(3,0) Interdisciplinary Applications of Calculus II: PR: MAC 2312. Interdisciplinary applications of differential and integral calculus topics in MAC 2312 to the solution of concrete problems in science, mathematics, and engineering disciplines. Spring.

ISC 2217 COS-MATH 1(3,0) Interdisciplinary Applications of Calculus III: PR: MAC 2313. Interdisciplinary applications of differential and integral calculus topics in MAC 2313 to the solution of concrete problems in science, mathematics, and engineering disciplines. Fall.
Foundations of project management in commercial organizations. Covers all project phases from initiation to termination. Occasional.

ISM 4400 BA-MIS 3(3,0) Decision Support: PR: ISM 3011C. Open to MIS Majors and Minors and students whose major requires it. Computer-based query and decision support systems in organizations. Fall, Spring.

ISM 4431 BA-MIS 3(3,0) Business Process Analysis: PR: ISM 4153C. Open to MIS majors and minors and other appropriate majors. Analysis of business processes surrounding Supply Chain management. Focus on enterprise resource planning technology supports SCM by integrating the business process required for success. Fall, Spring.


ISM 4941 BA-MIS 3(3,0) Internship in MIS: PR: ISM 3253, ISM 4212C, and 3011C, consent of department chair. Provides student with supervised, management information system-related work experience in a sponsoring organization. See department for information. Fall, Spring.

ISM 5021 BA-MIS 3(3,0) Introduction to Management Information Systems: PR: Acceptance into the graduate program. Designed to provide the student with the fundamentals of business data processing and management information systems used by organizations in a modern society. Occasional.

ISM 5123 BA-MIS 3(3,0) Concepts of Systems Analysis and Design: PR: Graduate standing. Using a traditional life-cycle approach, the course introduces practical tools and techniques for organizational analysis and the subsequent design of an information system. Occasional.

ISM 5127 BA-MIS 3(3,0) Concepts of Database Design and Administration: PR: Graduate standing. Introduces concepts and methodologies related to the effective utilization of data by organizations. Occasional.

ISM 5219 BA-MIS 3(3,0) Business Intelligence Systems: PR: Graduate standing. Modern paradigms in data analysis. The detection of useful patterns and relationships in databases. Occasional.

ISM 5256 BA-MIS 3(3,0) Concepts of Business Programming: PR: Senior or admission to graduate study. Principles of programming including program design, fundamental programming constructs, and database access. Occasional.

ISM 5315 BA-MIS 3(3,0) Information Systems Project Management: PR: Graduate standing. This course introduces students to the concept of project management including project scope, cost, time and quality. Occasional.

ISM 5507 BA-MIS 3(3,0) Electronic Agoras: PR: Admission to graduate study. Broad exploration of internet tools as vehicles for communication, interaction, decision-making, and community formation. Occasional.

ISS 4155 COS-COMM 3(3,0) Science Fiction and the Social Sciences: A multimedia examination of note-worthy science fiction from the Social Science perspective. Occasional.

IT 1120C CAH-LANG 4(3,1) Elementary Italian Language and Civilization I: Introduces the student to Italian culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in this language. Fall, Spring.

IT 1220 BA-MIS 3(3,0) Intermediate Italian Language and Civilization II: PR: ITA 1121C or equivalent. Designed to continue development of language skills at intermediate level, plus a review of grammar, study of idiomatic expressions, extensive readings, and further study of Italian culture. Fall.

IT 2201 BA-MIS 3(3,0) Intermediate Italian Language and Civilization II: PR: ITA 2200 or equivalent. Designed to continue development of language skills at intermediate level, plus review of grammar and study of syntax, with emphasis on Italian civilization. Spring.

IT 2210 CAH-LANG 3(3,0) Intensive Italian Conversation: PR: One year of Italian or equivalent. Practical use of the language leading toward fluency and correctness in speaking. Occasional.

IT 2240 CAH-LANG 3(3,0) Italian Conversation: PR: ITA 2201 or equivalent. Development of skills in conversation and comprehension with an introduction to Italian culture. Occasional.

IT 3420 BA-MIS 3(3,0) Italian Composition: PR: ITA 2201 or equivalent. Development of skills in composition, with an introduction to Italian culture. Spring.

IT 3440 CAH-LANG 3(3,0) Italian for Business: PR: ITA 2200. Italian language for business purposes. Occasional.

IT 3472 CAH-LANG 3(3,0) Renaissance Art Abroad: PR: Junior standing. A study of Renaissance art from Giotto to Michelangelo. Occasional.

IT 3760 CAH-LANG 3(3,0) Advanced Italian Oral Communication: PR: ITA 2201 or equivalent. Vocabulary building with systematic training in dictation and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

IT 4820 CAH-LANG 3(3,0) Italian Syntax Abroad: PR: ITA 3420. A study of Italian Syntax for advanced students of Italian. Occasional.

IT 4956 CAH-LANG 3(3,0) Study Abroad: Modern and Contemporary Italian Culture: PR: Junior standing and C.I. Modern and contemporary Italian culture in the natural environment. Occasional.

IT 4957 CAH-LANG 3(3,0) Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

IT 5057 CAH-LANG 3(3,0) Survey of Italian Literature: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

IT 5101 CAH-LANG 3(3,0) Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th to the 19th centuries. Occasional.
History of American Journalism: JOU 3004 COS-COMM 3(3,0) Fall, Spring.

Advanced Reporting: PR: Journalism major or Magazine Journalism minor, meet Grammar Proficiency standard, and a minimum grade of “C” (2.0) in JOU 2100C. Development of writing skills. Fall, Spring. M&S fee: $15.00.

In-Depth Reporting: PR: STA 1060C or MAC 1105, and JOU 2100C, or C.I. Writing with analysis, using detail, description, and demographics. Occasional.

Metro Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Occasional.

Editing I: PR: Journalism major or Magazine Journalism minor and meet Grammar proficiency requirement. Editing copy, writing headlines, managing newsroom operations. Fall, Spring. M&S fee: $15.00.

Sports Reporting: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Covering sports for the print media, issues, principles, and practices. Occasional.

Magazine Publishing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, emphasizing business operations and current topics. Occasional.

Public Affairs Reporting: PR: Journalism major, and a minimum grade of “C” (2.0) in JOU 2100C and a minimum grade of “C” (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. Fall, Spring. M&S fee: $15.00.

Informational Graphics: PR: Journalism major and a minimum grade of “C” (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

Page Design: PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. Occasional.

Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of “C” (2.0) in JOU 2100C. The magazine industry, including writing and editing skills, and editorial, business, and production requirements. Occasional.

Feature Writing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of “C” (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. Fall, Spring.

Critical Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

Freelance Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

On-line Journalism I: PR: PUR 3100, or a minimum grade of “C” (2.0) in JOU 2100C. The development, impact, and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional. M&S fee: $15.00.


Journalism Ethics: PR: MMC 3200. Ethical problems, codes, and practices in newsrooms. Fall, Spring.

JPN 1120C CAH-LANG 4(3,1)

Elementary Japanese Language and Civilization I: Introduces the student to Japanese culture through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Fall.

Elementary Japanese Language and Civilization II: PR: JPN 1120C or equivalent. Continuation of JPN 1120C. Spring.

JPN 2200 CAH-LANG 4(3,1)

Intermediate Japanese Language and Civilization I: PR: JPN 1121C or equivalent. This course aims to aid in acquiring and refining the acquisition of the four skills in modern Japanese: speaking, listening, reading, and writing. The emphasis is on accurate communication in Japanese. The culture of Japan will also be studied. Fall.

Intermediate Japanese Language and Civilization II: PR: JPN 2200 or equivalent. Continuation of JPN 2200 with emphasis on Japanese civilization. Spring.

JPN 2952 CAH-LANG 3(3,0)


JPN 3760 CAH-LANG 3(3,0)

Advanced Japanese Conversation: PR: JPN 1121C or equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3(3,0)


Hebrew Scriptures: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Qumran documents, Mishnah, Talmud, the Siddur, and as well as Jewish mystical writings. Occasional.


Dead Sea Scrolls: PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.

Honors Jewish Identity and Genre: PR: ENC 1102 and consent of Honors. Literary genres in Jewish and Hebrew literature of the 18th and 19th centuries as related to the intellectual quest for Jewish identity and modernism. With Honors content. Occasional.

The Jewish People I: Introduction survey of the history and culture of the Jewish people from the beginnings of Judaism in the biblical era through the Greco-Roman and rabbinic periods. Fall.

The Jewish People II: The life and history of the Jews in the medieval and modern worlds. Spring.


Biblical Archaeology: PR: ENC 1102. Examines historical events and discoveries in Israel and the ancient Near East to shed light on events and stories recorded in the Bible. Occasional.

Modern Jewish Experience: PR: ENC 1102 or C.I. Pioneering in literature depicting the modern Jewish experience in the past 150 years in the Jewish transition from ghetto and traditional life to modernity in Europe, America and pre-state Israel. Occasional.

20th Century Jewish History and Thought: PR: ENC 1102 or C.I. Study of philosophers such as Buber, Rosenzweig, Kaplan, Heschel, Borowitz, Solowechik, within the historical context of European immigration to the U.S. Occasional.

Introduction of Modernism into Judaism: The evolution from traditional Judaism to modern Judaism in the 18th century, as epitomized by Moses Mendelssohn and writers of the Jewish Enlightenment (in translation). Occasional.

Introduction of Secularism into Modern Judaism: PR: ENC 1102 or JST 3401 or JST 3402. Examines Jewish culture, religious, and social processes from traditional Judaism to the beginning of the intellectual quest for Jewish identity and modernism. By studying Hebrew & Jewish Enlightenment. Occasional.

LIN 3716L HPA-SCDPS 2(0,2)

LIN 3717 Language Development: 9 - 18 Years: PR: LIN 3716. Study of the language acquisition process in children from newborn through adolescence and how meaning is conveyed through sounds, words, and sentences. Fall, Spring.

LIN 4105 CAH-ENG 3(0,0)
History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102 and junior standing or C. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinetics, proxemics, paralinguistics, and gender roles. Occasional.

LIN 4643 CAH-ENG 3(0,0)
Cross Cultural Communication: PR: Junior standing or C.I. And C (2.0) or better required in ENC 1102. Focus on the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711 HPA-SCDPS 3(0,0)

LIN 4711L HPA-SCDPS 1(0,1)
Language Analysis Lab: PR: LIN 3716 and 3717; CR: LIN 4711L. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801 CAH-ENG 3(0,0)
Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137 CAH-ENG 3(0,0)
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675 CAH-ENG 3(0,0)
English Grammar and Usage: PR: Graduate status or senior standing or C.I. An overview of modern grammar, including structural, transformational and rhetorical grammar, along with an examination of controversial usage. Occasional.

LIT 2000 CAH-ENG 3(0,0)
Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of fiction, drama, verse, conflict, characterization, point of view, rhetorical and poetic devices, figurative language, verse forms, application of critical approaches to selected works. Occasional.

LIT 2110 CAH-ENG 3(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 Molière, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H CAH-ENG 3(3,0)
World Literature II - Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082 CAH-ENG 3(0,0)
Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192H CAH-ENG 3(3,0)
Honors Caribbean Literature: PR: Permission of Honors. Carribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, in English. Occasional.

LIT 3313 CAH-ENG 3(0,0)

LIT 3313H CAH-ENG 3(0,0)
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings. Honors content. Occasional.

LIT 3381 CAH-ENG 3(0,0)
Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383 CAH-ENG 3(0,0)
Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H CAH-ENG 3(0,0)
Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Toni Morrison, Adrienne Rich, Gwendolyn Brooks. Honors content. Occasional.

LIT 3394 CAH-ENG 3(3,0)
Literature of AIDS: PR: ENC 1102. To familiarize students with the new genre of literature that has arisen related to AIDS. Essays, short stories, plays, poetry, diaries, and novels will be covered. Occasional.

LIT 3394H CAH-ENG 3(3,0)

LIT 3482 CAH-ENG 3(3,0)

LIT 3823 CAH-ENG 3(3,0)
Hispanic Women Writers: PR: ENC 1102. Hispanic women writers in a variety of genres. May be repeated for credit. Occasional.

LIT 3905 CAH-ENG 3(3,0)
Directed Experience in Literature: PR: ENC 1102. C.I. Individualized topics of study and/or research in literature with personalized faculty direction. May be repeated for credit. Occasional.

LIT 3911H CAH-ENG 1(1,0)

LIT 4043 CAH-ENG 3(3,0)
Modern Drama As Literature: PR: Grade of C (2.0) or better required in ENG 3014. A study of important plays, playwrights, themes, movements, and styles in modern American, British, and European drama. Occasional.

LIT 4184 CAH-ENG 3(3,0)
Irish Literature: PR: Grade of C (2.0) or better required in ENG 3014. Study of literature written in Ireland, within the context of Irish history, politics, culture and colonial experience. Occasional.

LIT 4223 CAH-ENG 3(3,0)
Post-Colonial Theory and Literature: PR: Grade of C (2.0) or better required in ENG 3014. Focus on the nature of colonial discourse, the strengthening of postcolonial writings, and the relationship of postcolonial theory to other theories. Occasional.

LIT 4244 CAH-ENG 3(0,0)
World Authors: PR: ENG 3014. Study of the works of a single non-British and non-U.S. author who composes in English. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

LIT 4303 CAH-ENG 3(0,0)
Post-World War II Fiction: PR: Grade of C (2.0) or better required in ENG 3014. An investigation of various modes of reality in the works of significant postmodernist world authors, crossing cultural boundaries. Occasional.

LIT 4374 CAH-ENG 3(3,0)
Literature of the Bible: PR: Grade of C (2.0) or better required in ENG 3014. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Occasional.

LIT 4374H CAH-ENG 3(3,0)
Honors Literature of the Bible: PR: Permission of Honors and ENC 1102H or equivalent credit. Literary forms in the Bible — narrative, poetic, and dramatic — and their reflection in modern literature. Honors content. Occasional.

LIT 4433 CAH-ENG 3(0,0)
Literature of Science and Technology: PR: ENC 1102 and Junior Standing or C.I. Major works of non-fiction that address and describe the history, philosophy, politics, and new ideas in science and technology. Fall.

LIT 4554 CAH-ENG 3(0,0)
Advanced Feminist Theories: PR: Grade of C (2.0) or better required in ENC 1102, WST 3015 or ENG 3014. An advanced exploration of feminist critical theories and practices. Occasional.

LIT 4937H CAH-ENG 3(0,0)
English Honors Seminar: PR: ENG 3014 and permission of Honors. In-depth study of language and literature with an emphasis on creative and critical abilities. Occasional.

LIT 5028 CAH-ENG 3(0,0)
Form and Theory of Short Story: PR: Graduate status or senior standing or C.I. Short stories and the implications of form and theory. Occasional.

LIT 5269 CAH-ENG 3(0,0)
Nineteenth-Century Essays: PR: Graduate status or senior standing or C.I. English non-fiction prose of the 19th century. Occasional.

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LIT 5309 CAH-ENG 3(3,0) Popular Culture and Media: PR: Graduate status or senior standing or C.I. Study of contemporary media and the literature of popular culture. Occasional.

LIT 5366 CAH-ENG 3(3,0) The Romantic Revolt (19th Century Literature): PR: Graduate status or senior standing or C.I. The romantic revolt in poetry and prose; English, American, and Continental literature from 1798 to 1832. Occasional.

LIT 5387 CAH-ENG 3(3,0) Captives, Housewives, and Coquettes: Occasional.

LIT 5556 CAH-ENG 3(3,0) Advanced Feminist Theories: PR: Graduate status or senior standing or C.I. Graduate level Feminist Theories from "Feminist Feminism" to "Critical Race Theories". Occasional.


MAA 4227 COS-MATH 3(3,0) Advanced Calculus II: PR: MAA 4226 or C.I. Continuation of MAA 4226. Spring.

MAA 5210 COS-MATH 3(3,0) Topics in Advanced Calculus: PR: MAS 3105, MAP 2302, or equivalent or C.I. Real numbers, epsilon-delta language, limits, continuity, integration, differentiation, Taylor theorem, uniform convergence, inverse and implicit function theorems. Fall.

MAA 5228 COS-MATH 3(3,0) Analysis I: PR: MAS 3106 or C.I. Real numbers, limits, differentiation, Riemann integrals, Riemann-Stieltjes integrals, calculus in R^n, metric and normed spaces, contraction mapping theorem, implicit function theorem. Fall.

MAC 1105 COS-MATH 3(3,0) College Algebra: PR: Appropriate score on the UCF Math Placement Exam, or College Algebra, or MAC 1140 with a C (2.0) or better. This course applies to elementary discrete structure. Fall, Spring.

MAC 1105H COS-MATH 3(3,0) Honors College Algebra: PR: Appropriate score on placement test and permission of Honors. Analysis of functions (including polynomial, rational, exponential, logarithmic), analysis of 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.

MAC 1114 COS-MATH 3(3,0) College Trigonometry: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1105 with a C (2.0) or higher, or C.I. The circle arc length, circular functions, identities, inverse functions, applications to simple harmonic motion, and the composition of angles; complete development of triangle solving. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1140 Pre-Calculus: PR: Appropriate score on the Math Placement Exam, or MAC 1105 with a C (2.0) or better, or C.I. Properties and graphs of polynomials, rational, exponential and logarithmic functions, matrices, sequences and series, induction, binomial theorem. Prepares students for upper level mathematics. The "NC" grading policy applies to this course. Fall, Spring.

MAC 1104H COS-MATH 3(3,0) Honors Pre-Calculus: PR: Math placement test and permission of Honors. Polynomial, rational, exponential, logarithmic, and piecewise defined functions; matrices, conic sections, sequences and series, binomial theorem, mathematical induction, and applications with additional honors content. The "NC" grading policy applies to this course. Occasional.

MAC 2147 COS-MATH 5(5,0) Mathematics for Calculus: PR: Solid background in algebra or trigonometry, or C.I. For students with good mathematical backgrounds who do not want to go too deeply into calculus. Topics include matrices, determinants, permutations, combinations, sequences, series, induction, trigonometric functions. The "NC" grading policy applies to this course. Even Fall, Spring.

MAC 2233 COS-MATH 3(3,0) Concepts of Calculus: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better, or C.I. The differential and integral calculus of rational, exponential and logarithmic functions, with applications to business analysis. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Occasional.

MAC 2241 COS-MATH 4(4,0) Calculus for Life Sciences: PR: MAC 1105. Discrete dynamical systems, derivatives and dynamics, applications of derivatives, integrals and their applications. For biologists and others required to have one semester of calculus. The "NC" grading policy applies to this course. Occasional.

MAC 2253 COS-MATH 3(3,0) Applied Calculus I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better and MAC 1114 with a C (2.0) or better, or C.I. Differential and integral calculus. Students must take differential equations and Laplace Transforms. Applications to engineering technology. Not open to students with credit in MAC 2253 or MAC 2311. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311 COS-MATH 4(4,0) Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140 with a C (2.0) or better and MAC 1114 with a grade of C (2.0) or better, or C.I. Differentiation and integration of exponential, logarithmic functions; applications of derivatives, integrals and the fundamental theorem of calculus; applications of definite integrals. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: PR: MAC 1140 (or MAC 1105 if taken prior to summer 2008) and MAC 1114 (or equivalent) and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic and trigonometric functions; applications of derivatives; integration and the fundamental theorem of calculus; applications of definite integrals. The "NC" grading policy applies to this course. Fall, Spring.

MAC 2312 COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: Grade of C (2.0) or better in MAC 2311, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0) Calculus with Analytic Geometry III (Honors): PR: Permission of Honors. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stoke's Theorem. With Honors content. Spring.

MAC 3103H COS-MATH 3(3,0) Systems Modeling and Simulation: PR: MAC 2312, population growth, dynamics; spread of an epidemic, ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. Occasional.

MAE 2801 ED-TLP 4(3,1) Elementary School Mathematics: PR: MAC 1105 or MAC 1105S. Mathematics appropriate for the elementary school, including the six basic sets of numbers, basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAE 2802 ED-TLP 4(3,1) Secondary Mathematics: PR: MAC 1105 or MAC 1105S. Mathematics appropriate for the secondary school, including the six basic sets of numbers, basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAE 2803 ED-TLP 4(3,1) Assessment in Early Childhood: PR: MAE 1001 and EDG 2020 with a C (2.0) or better. Assessment in early childhood. Fall.

MAE 2804 ED-TLP 4(3,1) Curriculum and Instruction: PR: MAE 2801. Curriculum and instruction in the elementary mathematics classroom. Fall.


MAE 4326 ED-TLP 3(3,0) How Children Learn Mathematics: PR: MAE 2801 or C.I., and permission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning, evaluation of mathematical learning, and diagnostic techniques. Fall, Spring. M&S fee: $10.00

MAE 4360 ED-TLP 4(3,2) Mathematics Instructional Analysis: PR: EDG 3423. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.


MAE 5327 ED-TLP 3(3,0) Teaching Middle School Mathematics: PR: EDG 2250 or C.I. Students will develop skills in planning and delivering mathematics instruction in grades 5-9. The use of technology, cooperative learning, ESL, and manipulatives is considered. Occasional.
MAE 5336 ED-TLP 3(3,0) Current Methods in Secondary School Mathematics: PR: EDCG 4323 or EDCG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5935 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and other issues. Even Fall.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors, the interdisciplinary application of the management functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(4,0) Management of Organizations: PR: Junior standing and approved major or minor. Introduction to the theory and practice of managing formal organizations, including planning, organization, theory, human behavior and control. Fall, Spring.

MAN 3025H BA-MAN 4(4,0) Honors Management of Organizations: PR: Junior standing and approved major or minor; MAN 3025. Theory and practice of managing formal organizations, including planning, organization, theory, human behavior and control. Applicable to honors students. Occasional.

MAN 3301 BA-MAN 3(3,0) Management of Human Resources: PR: Junior standing and approved major or minor; MAN 3025. Provides students with a complete, comprehensive review of essential human resource management concepts and techniques. Applicable to all students of management. Fall, Spring.


MAN 3354 BA-MAN 3(3,0) Employee Training for Non-Business Majors: PR: MAN 3025. Employee training needs and practices as performed by supervisors and managers under the direction of organizational practitioners. Designed for non-business majors. Occasional.


MAN 4101 BA-MAN 3(3,0) Human Relations in Management: PR: Management major. MAN 3025. The study of individual, interpersonal, group, and intergroup problems in business organizations through the use of cases and experimental exercises. Fall, Spring.

MAN 4240 BA-MAN 3(3,0) Organizations: Theory and Behavior: PR: Management major. MAN 3025. A course providing a micro macro approach to the study of organizations by integrating organizational theory and organizational behavioral science concepts. Fall, Spring.

MAN 4310 BA-MAN 3(3,0) Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An application-oriented course to give students in the area experiences generally reserved for practitioners in the field of human resource management and labor relations. Odd Spring.

MAN 4320 BA-MAN 3(3,0) Human Resources Recruitment and Selection: PR: Management major, MAN 3301. A concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major. MAN 3025. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0) Training and Development: PR: Management major. Junior standing, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0) Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN 3(3,0) Production Planning and Control: PR: Management major, ISM 3530. In depth study on long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAN 3025. The course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major or minor, MAN 3025. This course applies the ethics dimension learned in their business courses to modern organizational problems and opportunities. Fall, Spring.

MAN 4720 BA-MAN 4(4,0) Strategic Management: PR: MAN 3025, MAN 3022, FIN 3402C and GEB 3031. Students assume a strategist view of organizations and integrate and apply material learned in their business courses to modern organizational problems and opportunities. Honors content. Occasional.


MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GEN 3023, or (MAN 3025 and MAN 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing financing and developing a new venture. Fall, Spring.

MAN 5021 BA-MAN 5(5,0) Management Foundations: PR: Graduate standing or C.I. Theory and practice of managing organizations to include planning, organizational theory, human behavior, and control. Fall, Spring.


MAN 5867 BA-MAN 3(3,0) Small Business Consulting: PR: C.I. Hands-on small business consulting course. Students are assigned teams and work with a local small business. Occasional.

MAP 2302 COS-MATH 3(3,0) Differential Equations: PR: Grade of “C” or better in MAC 2312, or C.I. Methods of solution for first order equations. Linear equations. Lagrange transforms. Series solutions. Selected applications. Fall, Spring.


MAP 3401 ECS-ENT 3(3,0) Problem Analysis: PR: MAC 2311 or MAC 2253 or equivalent. Application of calculus techniques used in solving selected problems in Engineering Technology. Fall, Spring.

MAP 3923 COS-MATH 1(1,0) Mathematics for the Working Mathematician: PR: MAP 3001. Application of mathematical concepts and techniques in engineering, finance, and other scientific fields. Fall, Spring.

MAP 4013 COS-MATH 3(3,0) Mathematical Modeling I: PR: MAC 3111 and MAP 3302. An overview of model construction, model fitting, optimization models, empirical construction and modeling dynamic behavior. Spring.

MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Applications I: PR: MAC 2313. Elementary probabilistic concepts, random variables, probability distributions, and stochastic processes. Fall, Spring.

MAP 4153 COS-MATH 3(3,0) Vector and Tensor Analysis: PR: MAC 2313 or C.I. Vector calculus. The theorems of Green, Gauss and Stokes. Introduction to tensors. Application in engineering and physical sciences. Fall.

MAP 4171 COS-MATH 3(3,0) Optimization for Actuarial Science: PR: MAC 2312 and STA 2302. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.


MAP 4376 COS-MATH 4(4,0) Marketing - Honors: PR: Permission of Honors College. This course is designed to prepare students for careers in marketing. Topics will include customer orientation, segmentation, positioning, and strategic marketing planning. Students will work on projects related to real-world marketing problems.

MAP 4384 COS-MATH 3(3,0) Numerical Methods for Computational Sciences: PR: MAP 2302 and MAS 3105 or C.I. Theory and methods of numerical computation and scientific computing, including numerical integration, interpolation, and numerical solutions of differential equations.

MAP 5106 COS-MATH 3(3,0) Introduction to Quantitative Aspects of Marketing: PR: MAC 2313 or equivalent. An introduction to the quantitative methods used in marketing research. Topics include market analysis, forecasting, and decision-making in marketing.

MAP 5117 COS-MATH 3(3,0) Mathematical Modeling: PR: STA 4321, MAP 3593, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall.

MAP 5336 COS-MATH 3(3,0) Ordinary Differential Equations and Applications: PR: MAP 2302, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying statistical and deterministic models. Fall.

MAP 5366 COS-MATH 3(3,0) Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Special functions, including Bessel functions, Legendre functions, and hypergeometric functions. Fall.

MAP 5426 COS-MATH 3(3,0) Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Advanced numerical methods for solving ordinary and partial differential equations. Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. occasional.

MAP 5514 COS-MATH 3(3,0) Linear and Nonlinear Waves I: PR: MAP 2302, MAP 4356, and graduate status or senior standing or C.I. Waves in incompressible and viscous fluids, energy equation and energy flux, linear theory of gravity waves, variational principles for water waves. Fall.

MAP 5931 COS-MATH 1(1,0) Research Seminar: PR: Graduate status or senior standing or C.I. Four instructors will introduce the students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be emphasized for a sense of diversity. Occasional.

MAR 3023 BA-MAR 4(4,0) Marketing: PR: Admission to UCF, Study of functions, institutions, and basic problems in marketing of goods and services in our domestic economy and abroad. Fall, Spring.

MAR 3023H BA-MAR 4(4,0) Marketing - Honors: PR: Permission of Honors College. This course is designed to prepare students for careers in marketing. Topics will include customer orientation, segmentation, positioning, and strategic marketing planning. Students will work on projects related to real-world marketing problems.

MAR 3323 BA-MAR 3(3,0) Integrated Marketing Communication: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Planning and execution of advertising, sales promotion, and public relations programs consistent with integrated marketing communications programs. Fall, Spring.

MAR 3391H BA-MAR 3(3,0) Honors Professional Selling: PR: MAP 3023 and consent of Honors, or C.I. Applied written and verbal communication skills learned within the context of professional selling with honors content. Spring.

MAR 3403 BA-MAR 3(3,0) Sales Force Management: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR 3(3,0) Customer Behavior: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3613 BA-MAR 3(3,0) Marketing Analysis and Research: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3721 BA-MAR 3(3,0) E-Marketing: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. Occasional.

MAR 4156 BA-MAR 3(3,0) International Marketing: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigates strategies, policy and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR 3(3,0) Retailing Management: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.

MAR 4413C BA-MAR 3(3,0) Strategic Issues in Sales-Lecture: PR: MAP 3023. Study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415C BA-MAR 3(3,0) Advanced Professional Selling: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

MAR 4711 BA-MAR 3(3,0) Healthcare Marketing: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR 3(3,0) Management of Marketing Functions: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

MAR 4803 BA-MAR 3(3,0) Marketing Management: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4804 BA-MAR 3(3,0) Marketing Strategy: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4841 BA-MAR 3(3,0) Services Marketing: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of services in the entertainment industry. Fall, Spring.

MAR 4934 BA-MAR 3(3,0) Contemporary Marketing Topics: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Course provides an in-depth study of the role of the internet in developing marketing strategies and plans. Occasional.

MAR 4941 BA-MAR 3(3,0) Marketing Internship: PR: Marketing major, application approval, consent of department chair. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH 4(4,0) Matrix and Linear Algebra: PR: MAC 2312 or C.I. Matrices, determinants, vector spaces in Rn, linear independence, basis, solutions of systems, range of linear transformations, eigenvectors, Jordan Form, matrix functions, quadratic forms. Fall, Spring, Occasional.


MAR 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, factoring, the division algorithm and congruences. Spring.
COS-MATH 3(3,0) Abstract Algebra I: I: PR: MHP 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.

COS-MATH 3(3,0) Abstract Algebra II: II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory; introduction to Galois theory. Spring.

COS-MATH 3(3,0) Topics in Algebra and Discrete Mathematics: PR: MAS 3106, MAS 4301, and MATH 2042 or MAD 4303, or C.I. Advanced topics in algebraic and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

COS-MATH 3(3,0) Advanced Linear Algebra and Matrix Theory: PR: MATH 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.

COS-MATH 3(3,0) Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or consent of C.I. Group actions, the class equation, Sylow Theorems, polynomial rings, Euclidean domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 1033 (3,0) Intermediate Algebra: Development of algebra skills. Operations with polynomials, rational expressions, radicals, quadratic equations, and linear equations. Credit will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 5711 (3,0) Scientific Computing: PR: MAC 2313, MAP 2302, graduate status or consent of or C.I. Basic programming skills using Mathematica, Maple, Matlab, or Java in solving basic scientific computing problems; preparing students for advanced computational methods and algorithms. Fall.


MCB 3020C COM-M&M 5(3,4) General Microbiology: PR: BSC 2010C, CHM 1032 or CHM 2045C, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, metabolism, growth, genetics, virology, environmental control, ecology, pathogenicity and laboratory techniques. Fall, Spring. M&S fee: $45.00

MCB 3020H COM-M&M 5(3,5) General Microbiology Honors: PR: BSC 2010C, CHM 2046 or CR: CHM 2210, and consent of Honors. Same as MCB 3020C with enrichment and further development of verbal and logical skills in a separate laboratory and discussion section. With Honors consent. Fall.

MCB 3202 COM-M&M 3(3,0) Principles of Infectious Disease: PR: MCB 3020C. Introduction to host-pathogen interactions and microbial pathogens; with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. Occasional.

MCB 3203 COM-M&M 3(3,0) Pathogenic Microbiology: PR: MCB 3020C or C.I. Microorganisms producing disease in man and other animals; means of transmission; protection against disease. Spring.

MCB 3203L COM-M&M 1(0,3) Pathogenic Microbiology Lab: CR: MCB 3203. Laboratory in identification of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee: $45.00

MCB 3304 COM-M&M 3(3,0) Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis and emphasis on microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.


MCB 4203 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C. The infectious process and the response of host cells and tissue to infection. Fall.

MCB 4204 COM-M&M 3(3,0) Cellular Microbiology: Host-Pathogen Interactions: PR: MCB 3020C, PCB 3522. Examination of the molecular details of host-pathogen interactions. Key areas of cell biology will be considered in relation to microbial pathogenesis. Spring.

MCB 4276 COM-M&M 3(3,0) Epidemiology of Infectious Diseases: PR: MCB 3020C. Study of descriptive and analytic epidemiology and its application to the analysis of infectious diseases and in the community health status. Spring.

MCB 4312 COM-M&M 3(3,0) Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified foods, cloning, gene therapy, and forensics; transgenic animals; pathogens and regulations. Fall.

MCB 4414 COM-M&M 3(3,0) Microbial Metabolism: PR: MCB 3020C, CR: BCH 4053. Interrelationships between cellular structure function and genetic traits in microorganisms. The interaction between microorganisms and their nutritional environment. Fall, Spring.


MCB 4603 COM-M&M 3(3,3) Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. Fall.

MCB 4720 COM-M&M 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.

MCB 4721C COM-M&M 4(2,4) Methods in Biotechnology: PR: BSC 3403C. Fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasionally. M&S fee: $45.00

MCB 5205 COM-M&M 3(3,0) Infectious Processes: PR: MCB 3020C or C.I. Discussion of current theories of the infectious process and the response of host cells and tissue to infection. Fall.

MCB 5208 COM-M&M 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 5314 COM-M&M 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 5505 COM-M&M 3(3,0) Molecular Virology: PR: Graduate standing or C.I. An introduction to transgenic animals; patents and current concerns in modern virology including HIV, tumor viruses; Prior course, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5527 COM-M&M 3(3,0) Genetic Engineering and Biotechnology: PR: MCB 3020C or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems. Plants, including human gene therapy, non-therapeutic, recombinant proteins will be discussed in-depth. Fall.

MCB 5564 COM-M&M 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-M&M 4(2,4) Metabolic Engineering: PR: Graduate standing or C.I. A laboratory course that will train graduate students in fluorescence and luminescence-based assays used in biopharmaceutical industry for target validation. Occasional.

MCB 5932 COM-M&M 3(3,0) Variable Current Topics in Molecular Biology: PR: Graduate standing or C.I. Emphasis on current trends and topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 (3,0) The Earth’s Climate: History, physics and dynamics of the Earth’s climate. Odd Spring.

MGF 1106 (3,0) Finite Mathematics: PR: Intermediate algebra or 2 years of high school algebra. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. For students not intending to take higher mathematics. Fall, Spring.

MGF 1107 (3,0) Explorations in Mathematics: PR: Intermediate Algebra or 3 years of high school algebra. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. For students not intending to take higher mathematics. Fall, Spring.


MHF 4404 (3,0) History of Mathematics: PR: MAC 2312 or C.I. A chronological study of the evolution of mathematical thought from primitive counting through modern ideas of the 20th century. Recommended for prospective teachers in mathematics. Fall.

MHS 2300 (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.
UCF Courses and Descriptions

MHS 2441
ED-CFCS 3(3,0)

MHS 5005
ED-CFCS 3(3,0)
Introduction to the Counseling Profession: PR: C.I. CR: M.S. Overview of the counseling profession, including roles and functions of counselors, counseling theories and the counseling process.

MLS 3220C
COM-M&M 3(3,0)
Techniques in Clinical Microscopy: PR: CHM 2210 or C.I. CR: 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: $25.00

MLS 3305
COM-M&M 3(3,0)
Hematology: PR: CHM 2210 and PCB 3703C. Overview of the hematopoietic system and disease states associated with blood and bone marrow. Spring.

MLS 3305L
COM-M&M 1(0,6)
Hematology Lab: PR: MLS 3305. Practical laboratory procedures routinely performed for analyzing hematologic abnormalities. Spring.

MLS 3705
COM-M&M 3(3,0)
Concepts in Education/Management: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional.

MLS 4334
COM-M&M 3(3,0)
Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MLS 4420C
COM-M&M 1(1,2)
Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee: $15.00

MLS 4430C
COM-M&M 2(1,3)
Clinical Parastiology: PR: MCB 3020C, CHM 2210, PCB 3703C or C.I. Instruction and laboratory practice in the examination and study of clinical material for the detection and identification of animal parasites. Even Fall. M&S fee: $15.00

MLS 4620C
COM-M&M 5(3,6)
Clinical Pathogenic Microbiology: PR: CHM 2210 or PCB 3703C or C.I. Instruction and laboratory practice in the isolation and identification of pathogens by clinical and laboratory methods.

MLS 4630C
COM-M&M 3(0,0)

MLS 4550
COM-M&M 4(2,6)
Clinical Immunohematology: PR: Admission to the professional phase of the MLS program or C.I. Investigation of incompatible crossmatches; antibody identification, leukocyte antigens and identification procedures, problem solving. Spring. M&S fee: $45.00

MLS 4302L
COM-M&M 1(0,3)

MLS 4303L
COM-M&M 1(0,3)

MLS 4304C
COM-M&M 4(4,8)
Interpretable & Practical Clinical Chemistry: PR: Admission to the MLS program. Fall. M&S fee: $15.00

MLS 4832C
COM-M&M 4(4,8)
Interpretive & Practical Hematology: PR: Admission to the MLS program, MLS 3305, MLS 4334. Advanced study of hematology and pathophysiological correlation to hematology disorders. Corelation of case studies and clinical practice in both student labs and clinical affilies. Fall. M&S fee: $15.00

MLS 4833C
COM-M&M 4(4,8)
Diagnostic Microbiology: PR: Admission to the MLS program, MLS 3305, MLS 3460, MLS 4334. Principles of modern bacterial procedures with clinical specimens to include mycology & virology and appropriate quality control. Clinical practice in both student lab and affiliate. Fall. M&S fee: $15.00

MLS 4834C
COM-M&M 4(4,8)
Advanced Instrumentation: PR: Admission to the MLS program, MLS 4625. An examination review & practice of technologies impacting the laboratory to include flow cytometry, PCR, LIS, robotics. Case studies will be a fundamental part of this course. Occasional.

MLS 4910
COM-M&M 1(1,0)
Introduction to Clinical Research: PR: MLS 3200C, MLS 4625. Introduces MLS students to different types of research within the clinical setting. Spring.

MLS 4933
COM-M&M 2(2,0)

MMC 2004
COS-COMM 3(3,0)
Mass Media: Introduction to the nation’s mass media, including newspapers, radio, television, magazines, advertising, and public relations. Fall.

MMC 3200
COS-COMM 3(3,0)
Mass Communication Law: PR: AMH 2010 or AMH 2020 or PCS 2041. Legal rights and responsibilities of the mass media. Fall. Spring.

MMC 3420
COS-COMM 3(3,0)
Mass Media Research Methods: PR: Communication major. Theory and methods of research used by media professionals and academics, focusing on radio / TV advertising / public relations research. Fall. Spring.

MMC 4263
COS-COMM 3(3,0)
New Media Technologies: PR: Majors only. Spring. An examination of the impacts impacting the communications media environment and society. Occasional.

MMC 4411
COS-COMM 3(3,0)
Interdisciplinary Communication Campaigns: PR: AD/P/PR majors only and ADV 3030, PUR 3000, PIR 4100, PUR 4941 or ADV 4941. Planning and managing communication campaigns that integrate both advertising and public relations strategies. Capstone. Even Fall, Odd Spring.

MMC 4602
COS-COMM 3(3,0)
Contemporary Media Issues: PR: RTV 3007 or C.I. Relationship between the mass media and society; examination of social and ethical issues and responsibilities of the media’s relationship with government. Even Spring.

MML 1001C
ECS-AROTC 2(1,1)
Foundations of Officerhood: Examines the unique duties and responsibilities of officers, organization and role of Army, reviews skills pertaining to fitness and communication, and analyze Army values and expected behavior. May be repeated for credit. Fall.

MML 1002C
ECS-AROTC 2(1,1)
Basic Leadership: Presents fundamental leadership concepts and doctrine; practice basic skills that underlie effective problem solving; examine the officer experience. Spring.

MML 2101C
ECS-AROTC 2(1,1)
Individual Leadership Studies: Develops knowledge of self, self-confidence, and leadership skills; develop problem solving and critical thinking skills; apply communication, feedback, and conflict resolution skills. Fall.

MML 2102C
ECS-AROTC 2(1,1)
Leadership and Teamwork: Focuses on self-development guided by knowledge of self and group processes; challenges current beliefs, knowledge and skills. Spring.

MML 3201C
ECS-AROTC 4(3,1)
Leadership and Problem Solving: PR: Junior status. Examines skills that underlie effective problem solving; analyzes military missions and plan military operations; and executes squad battle drills. Fall.

MML 3202C
ECS-AROTC 4(3,1)
Leadership and Ethics: PR: MML 3201C. Probes leadership responsibilities that foster an ethical command climate; develops cadet leadership competencies; applies leadership and ethics principles to effective written and oral communication. Spring.

MML 4301C
ECS-AROTC 4(3,1)
Leadership and Management: PR: MML 3202C. Discuss staff organization, functions, and processes, analyzes counseling responsibilities and methods, apply leadership and problem solving principles to a complex case study/simulation. Fall.

MML 4302C
ECS-AROTC 4(3,1)
Leadership and Teamwork: PR: MML 4301C. Capstone course to explore topics relevant to second lieutenants entering the Army; describes legal aspects of decision making and leadership; and analyzes Army organization from tactical to strategic level. Spring.

MTG 4212
COS-MATH 4(4,0)
Modern Geometries: PR: MAC 2311 and MTH 3302. Groups, fields, and finite geometries, groups of transformations, Euclidean motions of 2-space and 3-space, convexity in 2-space and 3-space. Euclidean geometry of polygon and circle, constructible numbers, constructions and non-Euclidean geometry. Fall.

MTG 4302
COS-MATH 3(3,0)
Introduction to Topology: PR: MTH 3302 and MAS 3106 or C.I. Metric spaces, topological spaces, limit points, continuity, compactness, and connectedness. Spring.

MTG 5253
COS-MATH 3(3,0)
Introduction to Differential Geometry: PR: MAC 2312 or equivalent or C.I. Curves and surfaces in 2D and 3D, covariant derivative of a vector field, geodesics, Gauss-Bonnet Theorem. Fall.

MTG 5256
COS-MATH 3(3,0)
Differential Geometry: PR: MAA 4227, graduate status or senior standing, or C.I. Differentiable manifolds, tangent space and tangent bundle, flows and vector fields, Lie derivatives, cotangent space and cotangent bundles, Riemann metrics, connections and geodesics, applications in classical mechanics. Occasional.

MUC 1101C
CAH-MUSIC 2(1,1)
Composition I: PR: Open to qualified majors and non-music majors with C.I. Creative work in small forms. May be repeated for credit. Fall.

MUC 2102C
CAH-MUSIC 2(1,1)
Advanced Composition II: PR: MUC 1101C. Advanced composition for the music major. Spring.
MUC 2104C CAH-MUSIC 2(1,1) Composition II: PR: MUC 1101C and Music or composition major. Continuation of Composition I. Competence determined by faculty jury. May be repeated for credit. Fall, Spring.

MUC 3105C CAH-MUSIC 3(1,1) Composition III: PR: MUC 2104C and competence determined by faculty jury. Continued study of composition, with additional intensive work expected for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 3311 CAH-MUSIC 3(2,2) MIDI Sequencing I: PR: Keyboard ability and reading music or C.I. Utilization of synthesizers, drum machines, and computers with MIDI sequencing software to create music. Fall, Spring. M&S fee: $15.83

MUC 4106C CAH-MUSIC 4(1,1) Composition IV: PR: MUC 3105C and competence determined by faculty jury. Intensive advanced study of composition for composition majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MUC 4950 CAH-MUSIC 0(0,0) Composition Recital: CR: MUC 4106C. Cullminating public concert of works written while studying Composition I-IV. Graded S/U. Odd Fall.

MUC 5112 CAH-MUSIC 2(1,0) Composition V: PR: Graduate standing in music education or C.I. Advanced music composition at the graduate level. May be used in the degree program a maximum of 4 times. Occasional.

MUC 5445 CAH-MUSIC 3(3,0) Electroacoustic Music Composition: PR: MUC 2360C and MUC 1101C, or C.I. Creation of electroacoustic music, including synthesis, sample editing, and performance practices. Occasional.

MUC 2040 CAH-MUSIC 2(2,0) Introduction to Music Education: PR: None. An introduction to music education covering philosophy, history, and current practice and trends. Observation in schools required. Fall.

MUC 2211 ED-CFCS 3(3,0) Early Childhood Music and Movement: An examination of the role of music and creative movement in the lives of young children. Occasional.

MUC 2346 CAH-MUSIC 1(0,2) Vocal Techniques: PR: Music major or C.I. Vocal function, anatomy, and pedagogical methodology with applications for K-12 teaching. Odd Spring.

MUC 2440 CAH-MUSIC 1(0,2) String Techniques: PR: MUC major, junior standing or C.I. Class instruction in string playing and pedagogical techniques. Spring. M&S fee: $30.00

MUC 2450 CAH-MUSIC 1(1,0) Woodwind Techniques I: PR: MUED major, Junior standing or C.I. Class instruction in woodwind playing and pedagogical techniques. Fall.

MUC 2460 CAH-MUSIC 1(0,2) Brass Techniques: PR: MUC major, junior standing or C.I. Class instruction in brass playing and pedagogical techniques. May be repeated for credit. Fall.

MUC 2470 CAH-MUSIC 1(0,2) Percussion Techniques: PR: MUED major, junior standing or C.I. Class instruction in percussion playing and pedagogical techniques. May be repeated for credit. Spring. M&S fee: $35.00

MUC 2471 CAH-MUSIC 1(1,1) Percussion Techniques II: PR: MUC 2470 or C.I. Additional performing and teaching techniques of the percussion family, as relevant to today's instrumental music teachers. Odd Spring. M&S fee: $35.00

MUC 3210 ED-TLP 1(1,0) Music in the Elementary School: CR: EDF 2005; CR: MUC 4133, HLP 4722, RED 4619, MUE 4326, and EDE 3942. Fundamental procedures for teaching elementary school music, stressing appropriate music materials and activities for different age groups; selected experience in music. Fall, Spring.


MUC 3451 CAH-MUSIC 1(1,0) Woodwind Techniques II: PR: MUC 2450, MUED major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUC 3461 CAH-MUSIC 1(1,1) Brass Techniques II: PR: MUC 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.


MUC 3693 CAH-MUSIC 2(2,0) Technology in Music Education: PR: MUC 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring. M&S fee: $2.00

MUC 3942 CAH-MUSIC 3(3,0) Music Internship I: PR: MUC 3101, MUC 3333, EDG 4410, TSL 4080, EDF 4603 and RED 4043. Students experience various roles of a music teacher in elementary and secondary settings, including observation, micro-teaching, and the completion of various assignments. Graded S/U. Fall, Spring.

MUC 4311 CAH-MUSIC 2(2,0) Elementary School Music Methods: PR: Junior standing, MUED major. Organization and administration of instruction for comprehensive music education, K-6, instructional planning, techniques, and materials for elementary music education. Fall.

MUC 4330 ED-TLP 2(2,0) Secondary School Music Methods: PR: MUC 4311 or C.I. Instructional planning, techniques, and materials for secondary music education. Fall.

MUC 4331 CAH-MUSIC 3(3,0) Secondary Choral Methods I: PR: MUC 2460 or C.I. Examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUC 4332 CAH-MUSIC 3(3,0) Secondary Instrumental Methods I: PR: MUC 2470. Wind, percussion, and string teaching methods for beginning and middle level students in a large classroom setting. Odd Spring.

MUC 4335 CAH-MUSIC 3(3,0) Secondary Choral Methods II: PR: MUC 4331. Continued examination of vocal and choral literature, planning skills and rehearsal techniques for choral groups. Odd Spring.

MUC 4337 CAH-MUSIC 3(3,0) Secondary Instrumental Methods II: PR: MUC 4332. Wind and percussion teaching methods for high school students in a large classroom setting. Odd Spring.

MUC 4350 ED-TLP 2(3-2,3-0) General Music Pre-K through Grade 8: PR: MUED major. Designed for music educators. Exploration of music materials and teaching strategies for enhancing students' learning through music. Experience with recorder, movement, choral, conducting, and curriculum infusion included. Implementation project available, Graded S/U. May be repeated for credit. Occasional.


MUC 4393 CAH-MUSIC 2(2,0) Music and Students with Special Needs: PR: MUC 2040 or C.I. Consideration of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.


MUC 4441 CAH-MUSIC 3(3,0) String Methods: PR: MUC 4322. String teaching methods for high school students in a large classroom setting. Odd Spring.

MUC 4943 CAH-MUSIC 12(12,0) Music Internship II: PR: MUC 3942. Student Teaching in an elementary or secondary school under supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

MUC 5348C CAH-MUSIC 4(4,0) K-12 Music Methods: PR: Graduate standing in Music Education or C.I. Organization and administration of instruction for comprehensive music education, K-12. Instructional planning, techniques, and materials for general, choral, and instrumental music education. Spring.

MUC 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.

MUC 3104 ED-TLP 2(2,1) Basic Conducting: PR: MUC 1122 or C.I. Fundamental techniques and practice in conducting. Fall.

MUC 3202 CAH-MUSIC 1(1,1) Variable Choral Conducting and Materials: PR: MUC 3104. Fundamental principles of choral conducting and rehearsal techniques including an examination of materials. Even Spring.

MUC 3302 CAH-MUSIC 1(1,1) Variable Instrumental Conducting and Materials: PR: MUC 3104. Fundamental principles of instrumental conducting and rehearsal techniques including an examination of materials. Spring.

MUC 4103 CAH-MUSIC 2(1,1) Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Odd Spring.

MUC 2050 CAH-MUSIC 3(3,0) Survey of Rock Music: Rise of rock music to prominence, and its impact on audience reception. No musical background required. Fall, Spring.

MUC 2071H CAH-MUSIC 3(3,0) Honors Survey of Rock Music: PR: Consent of Honors. Rock music 1950s to present, with emphasis on cultural and musical meaning. With Honors consent. Even Fall.

MUC 2019 CAH-MUSIC 3(3,0) American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.
### UCF Courses and Descriptions

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### MUH 3016 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.

### MUH 2720 CAH-MUSIC 3(3,0) Music of the World: PR: Music major or C.I. Music. Odd Fall.

### MUH 3343 CAH-MUSIC 3(0,3) Women's Chorus: PR: C.I. Study and performance of music for women's voices. Odd Fall.

### MUH 3426 CAH-MUSIC 3(0,2) Percussion Literature: PR: Music major (Percussion). Odd Fall.

### MUH 3500 CAH-MUSIC 2(1,1) Piano Literature I: PR: Major in Music or C.I. Study and performance of works from the symphonic repertoire. Odd Fall.

### MUL 3401 CAH-MUSIC 2(1,1) Piano Literature II: PR: MUH 3400. Odd Fall.

### MUH 3463 CAH-MUSIC 3(0,0) Brass Literature and Pedagogy: PR: MUH 3443. Odd Fall.

### MUL 3443 CAH-MUSIC 3(0,0) Brass Literature and Pedagogy: PR: MUH 3443. Odd Fall.

### MUL 3444 CAH-MUSIC 3(0,0) Woodwind Literature and Pedagogy: PR: MUH 3444. Odd Fall.

### MUL 5215 CAH-MUSIC 3(0,3) Electronic Music Literature: PR: MUH 3016, and current confidence. Odd Fall.

### MUL 5436 CAH-MUSIC 3(0,0) Guitar Literature and Pedagogy: PR: MUH 5436. Odd Fall.

### MUL 5506 CAH-MUSIC 3(0,0) Performing Arts Management: PR: Music major or C.I. Musical repertories and cultures from the Western art music tradition. American jazz, and non-western music. Odd Spring.

### MUN 3113 CAH-MUSIC 2(0,8) Marching Band: PR: Admission by audition. Odd Fall.

### MUN 3123 CAH-MUSIC 1(0,3) Concert Band: PR: Open to all students with audition.

### MUN 3143 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all students by audition. Odd Fall.

### MUL 3200 CAH-MUSIC 3(0,0) Symphony Orchestra: PR: Open to all students by audition. Odd Fall.

### MUL 3427 CAH-MUSIC 1(0,0) Flute Ensemble: PR: Open to all students. Even Spring.

### MUL 3442 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3463. Odd Fall.

### MUL 3443 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3443. Odd Fall.

### MUL 3444 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3444. Odd Fall.

### MUL 3445 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3445. Odd Fall.

### MUL 3446 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3446. Odd Fall.

### MUL 3447 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3447. Odd Fall.

### MUL 3448 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3448. Odd Fall.

### MUL 3449 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3449. Odd Fall.

### MUL 3450 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3450. Odd Fall.

### MUL 3451 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3451. Odd Fall.

### MUL 3452 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3452. Odd Fall.

### MUL 3453 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3453. Odd Fall.

### MUL 3454 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3454. Odd Fall.

### MUL 3455 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3455. Odd Fall.

### MUL 3456 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3456. Odd Fall.

### MUL 3457 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3457. Odd Fall.

### MUL 3458 CAH-MUSIC 3(0,0) Percussion Literature: PR: MUH 3458. Odd Fall.
MUN 3713 CAH-MUSIC  1(0,4) Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3714 CAH-MUSIC  1(0,2) Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 3723 CAH-MUSIC  1(0,3) Vocal Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Occasional.

MUN 3813 CAH-MUSIC  1(1,1) Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee: $20.00

MUN 4476 CAH-MUSIC  1(0,2) Early Music Ensemble: PR: C.I. 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 5145 CAH-MUSIC  1(0,4) Wind Ensemble: PR: Open to all graduate students by audition. Study and performance of music for wind ensemble and band. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5215 CAH-MUSIC  1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 5325 CAH-MUSIC  1(0,3) Women’s Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women’s voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee: $20.00

MUN 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. Occasionally. 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 ensembles. May be used in the degree program a maximum of 5 times. Occasionally. 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. Occasionally. 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. Occasionally. M&S fee: $5.00

MUN 5715L CAH-MUSIC  1(0,4) Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee: $20.00

MUS 1010 CAH-MUSIC  1(0,2) Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

MUS 1250 CAH-MUSIC  1(2,0) IPA for Singers: PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. Occasional. M&S fee: $45.00


MUS 2360C CAH-MUSIC  1(2,2) Introduction to Music Technology: PR: Music or Digital Media major or C.I. Utilization of computers and keyboards to acquire skills in MIDI sequencing, notation, CD’s, and the Internet. Fall, Spring. M&S fee: $35.00

MUS 3254 CAH-MUSIC  1(2,0) Italian and French Lyric Diction: PR: MUS 250. Study and applications of the correct sung pronunciation of the Italian and French languages. Odd Spring.

MUS 3255 CAH-MUSIC  1(2,0) German and English Lyric Diction: PR: MUS 250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3990 CAH-MUSIC  1(0,1) Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUT 1002 CAH-MUSIC  1(0,2) Jazz Theory I: PR: MUT 1004 or C.I. The history, genres, forms, instruments, and performance of jazz music. Fall, Spring.

MUT 1122 CAH-MUSIC  1(2,3) Music Theory and Musicianship IV: PR: MUT 1121 or C.I. Continuation of MUT 1121. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2126 CAH-MUSIC  1(2,3) Music Theory and Musicianship III: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 2127 CAH-MUSIC  1(2,3) Music Theory and Musicianship II: PR: MUT 2126 or C.I. Continuation of MUT 2126. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 3170 CAH-MUSIC  1(3,0) Jazz Theory I: PR: MUT 1122 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC  1(3,0) Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3622 CAH-MUSIC  1(3,0) Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent or C.I. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC  1(0,3) Jazz Workshop: PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUS 4031 CAH-MUSIC  1(1,0) Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 5936 CAH-MUSIC  3(3,0)  Secondary Tuba: in euphonium. Intended for non-music majors. May be repeated for credit.

MVB 1214 CAH-MUSIC  1(0,1)  French Horn II: PR: Major in music or consent of chair. audition. May be repeated for credit. Fall, Spring.

MVB 2415 CAH-MUSIC  2(1,1)  French Horn II: PR: MV 4142 and competence determined by faculty jury. Continuation of MV 4142. May be repeated for credit. Fall, Spring.

MVB 2423 CAH-MUSIC  2(1,1)  Trombone II: PR: MV 1413 and competence determined by faculty jury. Continuation of MV 1413. May be repeated for credit. Fall, Spring.

MVB 2424 CAH-MUSIC  2(1,1)  Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 2435 CAH-MUSIC  2(1,1)  Tuba II: PR: MV 1415 and competence determined by faculty jury. Continuation of MV 1415. May be repeated for credit. Fall, Spring.

MVB 2436 CAH-MUSIC  2(1,1)  Euphonium III: PR: MV 1414 and competence determined by faculty jury. Continuation of MV 1414. May be repeated for credit. Fall, Spring.

MVB 3431 CAH-MUSIC  2-3(1,1)  French Horn III: PR: MV 3432 and competence determined by faculty jury. Continuation of MV 3432. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3432 CAH-MUSIC  2-3(1,1)  French Horn IV: PR: MV 3433 and competence determined by faculty jury. Continuation of MV 3433. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3434 CAH-MUSIC  2-3(1,1)  French Horn V: PR: MV 3434 and competence determined by faculty jury. Continuation of MV 3434. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3435 CAH-MUSIC  2-3(1,1)  French Horn VI: PR: MV 3435 and competence determined by faculty jury. Continuation of MV 3435. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVB 3444 CAH-MUSIC  2(1,0)  Baritone V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVB 4444 CAH-MUSIC  2(1,0)  Baritone VI: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.
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<td>MVJ 4240</td>
<td>CAH-MUSIC</td>
<td>Piano Pedagogy I: PR: MVK 1411. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of performance. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
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<td>MVK 4341</td>
<td>CAH-MUSIC</td>
<td>Piano Pedagogy II: PR: MVK 4341. Continuation of MVK 4341. Continuation of MVK 4441. May be repeated for credit. Fall, Spring.</td>
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<td>MVK 4441</td>
<td>CAH-MUSIC</td>
<td>Piano Pedagogy IV: PR: MVK 4341 or C.I. Methods, materials for teaching individuals and classes of children and adults beginning to intermediate levels; demonstration and observation of performance. May be used in the degree program a maximum of 2 times. Fall, Spring.</td>
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<td>MVP 4541</td>
<td>CAH-MUSIC</td>
<td>Violin: PR: Major in music or of chair; audition. May be repeated for credit. Fall, Spring.</td>
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For more detailed information on courses and descriptions, please refer to the UCF Courses and Descriptions.
UCF Courses and Descriptions

MVS 3431 CAH-MUSIC 2-3(1,1)  
Violin III: PR: MVS 2421 and competence determined by faculty jury. Continued study of performance skills of the violin, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3432 CAH-MUSIC 2-3(1,1)  
Viola III: PR: MVS 2422 and competence determined by faculty jury. Continued study of performance skills of the viola, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3433 CAH-MUSIC 2-3(1,1)  
Cello III: PR: MVS 2423 and competence determined by faculty jury. Continued study of performance skills of the cello, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3434 CAH-MUSIC 2-3(1,1)  
Bass III: PR: MVS 2424 and competence determined by faculty jury. Continued study of performance skills of the string bass, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3435 CAH-MUSIC 2-3(1,1)  
Harp: PR: MVS 2425 and competence determined by faculty jury. Continued study of performance skills of the harp, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVS 3436 CAH-MUSIC 2-3(1,1)  
Violin IV: PR: MVS 3432 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 1111 CAH-MUSIC 1(1,1)  
Class Voice: PR: Consent of Music Chair. CR: Performance ensemble. Advanced instruction in voice, intended for non-music majors. May be repeated for credit. Fall, Spring.

MVV 1873 CAH-MUSIC 1(0,1)  

MVV 2421 CAH-MUSIC 2(1,1)  
Voice I: PR: MVS 1411 and competence determined by faculty jury. CR: MUS 1501. Continuation of MVS 1411. Major in music or consent of chair. Private lessons. May be repeated for credit 2 times. Fall, Spring.

MVV 2441 CAH-MUSIC 2(1,1)  
Voice II: PR: MVV 1412 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVV 4641 CAH-MUSIC 1(0,1)  
Secondary Flute: PR: C.I. Continuation of MVV 4640. Intermediate to advanced levels. May be repeated for credit. Odd Spring.

MVV 4642 CAH-MUSIC 1(0,1)  
Secondary Saxophone: PR: C.I. Continuation of MVV 4640. Intermediate to advanced levels. May be repeated for credit. Odd Spring.

MVV 5454 CAH-MUSIC 2(1,0)  
Bass V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 5455 CAH-MUSIC 2(1,0)  
Harp V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 5456 CAH-MUSIC 2(1,0)  
Guitar V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVV 1411 CAH-MUSIC 1(0,1)  
Voice I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

MVW 1415 CAH-MUSIC 2(1,1)  
Secondary Flute: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVW 1424 CAH-MUSIC 2(1,1)  
Secondary Saxophone: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVW 2424 CAH-MUSIC 2(1,1)  
Secondary Bassoon: PR: MVS 1411 and competence determined by faculty jury. Continuation of MVS 1411. May be repeated for credit. Fall, Spring.

MVW 3431 CAH-MUSIC 2-3(1,1)  
Violin II: PR: MVS 2421 and competence determined by faculty jury. Intensive advanced performance study of the violin, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.

MVW 3434 CAH-MUSIC 2-3(1,1)  
Secondary Violin: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in violin, intended for non-music majors. May be repeated for credit. Fall, Spring.

MVW 5451 CAH-MUSIC 2(1,0)  
Violin II: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5452 CAH-MUSIC 2(1,0)  
Viola II: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 5453 CAH-MUSIC 2(1,0)  
Cello V: PR: Graduate status or senior standing and C.I. May be repeated for credit. Fall, Spring.

MVW 1212 CAH-MUSIC 1(0,1)  
**NGR 5090 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. Fall.

**NGR 5720 CON-NURS** 3(3,0)  
Organizational Dynamics: PR: Baccalaureate degree or C.I. Examination of organizational theories related to health care organizations and the use of leadership, communication and power to influence health care delivery and policy. Fall.

**NGR 5745 CON-NURS** 1(1,0)  
Professional Obligations and Activities of Advanced Practice Nursing: PR: NGR 5853 and NGR 5891. Student must be in last or second last semester of program. Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam. Fall, Spring.

**NGR 5800 CON-NURS** 3(3,0)  
Theory for Advanced Practice Nursing: PR: Baccalaureate degree in Nursing or C.I. Conceptual and theoretical bases of nursing practice and research with emphasis on scholarly writing and critique. Fall, Spring.

**NGR 5871 CON-NURS** 3(3,0)  
Health Care Informatics: PR: Baccalaureate degree. Examination of clinical information systems and applications, nursing data management, strategies, and decision-making models. Fall, Spring.

**NUR 3028 CON-NURS** 2(2,0)  
Essentials of Nursing Practice: PR: Admission to BSN program; CR: NUR 3085L and NUR 3056L; NUR 3825; NUR 3634 and NUR 3634L. Apply nursing process and core scientific principles to technical practice. Selected experiences to integrate evidence-based principles and nursing process to clients in long-term care. Fall.

**NUR 3028L CON-NURS** 1(0,2)  
Essentials of Nursing Practice Lab: PR: Admission to BSN program; CR: NUR 3085L and NUR 3056L; NUR 3825; NUR 3634 and NUR 3634L. Application of nursing process and core scientific principles to technical practice. Selected experiences to integrate evidence-based principles and nursing process to clients in long-term care. Fall.

**NUR 3065 CON-NURS** 2(2,0)  
Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Spring.

**NUR 3065L CON-NURS** 1(0,1)  
Health Assessment Lab: PR: CR: NUR 3065, and admission to the School of Nursing or C.I. Clinical application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee: $15.00

**NUR 3125 CON-NURS** 3(3,0)  
Pathophysiology for Nursing Practice: PR: Admission to BSN program. Successful completion of the first quarter in the nursing curriculum. CR: Concurrent enrollment in NUR 3225, NUR 3225L, NUR 3145, NUR 3445L. Concepts and core care applications of the pathophysiological basis of illness. Fall.

**NUR 3145 CON-NURS** 3(3,0)  
Pharmacology for Nursing Practice: PR: Admission to BSN program. Successful completion of the first quarter in the nursing curriculum. CR: Concurrent enrollment in NUR 3225, NUR 3225L, NUR 3145, NUR 3445L. Concepts and core care applications of the pathophysiological basis of illness. Fall.

**NUR 3165 CON-NURS** 3(3,0)  
Nursing Research: PR: Admission to the BSN program. STA 2014C or STA 2023L. Concepts and core care applications of the pathophysiological basis of illness. Fall.

**NUR 3165H CON-NURS** 3(3,0)  
Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 2014C or STA 2023L. Concepts and core care applications of the pathophysiological basis of illness. Fall.

**NUR 3167 CON-NURS** 1(2,0)  
Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; previous undergraduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problem identification in nursing. Selected experiences in investigating, analyzing, and interpreting nursing research and nursing issues. Spring.
UCF Courses and Descriptions

NUR 3225 CON-NURS 3(3,0) Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125, NUR 3145; NUR 3445L. Biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall, Spring.

NUR 325L CON-NURS 2(0,6) Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3125; NUR 3145; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness or chronic health problems. Graded S/U. Fall, M&S fee: $45.00.

NUR 3445 CON-NURS 3(3,0) Nursing Care of Families: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225 NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Concepts of family nursing as they relate to health promotion, maintenance and illness management for childbearing and childbearing families. Fall.

NUR 3445L CON-NURS 2(0,6) Nursing Care of Families Clinical: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3145; NUR 3445L. Nursing practice to address health promotion, maintenance and illness management needs of childbearing and childbearing families. Graded S/U. Fall, M&S fee: $45.00.

NUR 3634 CON-NURS 3(3,0) Community Health Nursing: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall, S/U.

NUR 3634L CON-NURS 2(0,6) Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3755L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834L. Clinical concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Graded S/U. Fall, M&S fee: $45.00.

NUR 3755L CON-NURS 2(0,6) Essentials of Nursing Practice Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3834 and NUR 3834L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall, M&S fee: $45.00.

NUR 3795 CON-NURS 3(3,0) Principles of Oncology Nursing: PR: C.I. or Junior standing. Basic principles and concepts in oncology. Focus on cancer as it affects individuals and families. Emphasis on cancer treatment, patients’ responses and management psycho-social response. Occasional.

NUR 3805 CON-NURS 3(3,0) Dimensions of Professional Nursing Practice: PR: Nursing major/Junior level or C.I.; ENC 1102. Theoretical bases of professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS 1(1,0) Professional Socialization Seminar: PR: NUR 3065 and C.I. Application of library utilization and professional writing skills, critical thinking and stress management principles to the beginning role of the professional nurse. Spring.

NUR 3825 CON-NURS 2(2,0) The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3825H CON-NURS 2(2,0) The Role of the Professional Nurse Honors: PR: Admission to BSN program, successful completion of professional nurse, including professional standards, legal, and practice issues with honors content. Fall.


NUR 3936 CON-NURS 3(2,2) International Perspectives of Nursing and Health Care: PR: Enrollment in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care system in the United States and selected countries. May be repeated for credit. Occasional.

NUR 4177 CON-NURS 3(3,0) Holistic Nursing: Explore lived experience of health, wellness, illness-disease focusing on mind-body-spirit, transpersonal healing and complementary interventions to maximize nursing care outcomes. Occasional.

NUR 4227 CON-NURS 4(4,0) Nursing Care of the Adult II: PR: Admission to the BSN program. Concepts of care for first two semesters in the nursing curriculum, NUR 4227L; NUR 4535; NUR 4535L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring, Occasional.

NUR 4227L CON-NURS 3(3,0) Nursing Care of the Adult II: Clinical Practice: PR: Admission to BSN program. CR: successful completion of the first three semesters in the nursing curriculum, NUR 4227; NUR 4535; NUR 4535L; or C.I. Application of the nursing process, scientific and evidence-based principles in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4245 CON-NURS 3(3,0) Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4286 CON-NURS 3(3,0) Gerontologic Nursing: PR: NUR 4286 or RN status or C.I. Theories and principles related to the promotion, maintenance, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS 3(3,0) Perinatal Loss and Grief: Nursing Interventions: PR: Admission to the Nursing Program, RN licensure, or C.I. Nursing interventions for individuals and families experiencing perinatal loss and grief. Occasional.


NUR 4535 CON-NURS 3(3,0) Psychiatric Mental Health Nursing: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L; NUR 4535L. Nursing in the promotion of mental health and the prevention, treatment, and rehabilitation of mental illness. Fall, Spring.

NUR 4535L CON-NURS 2(0,6) Psychiatric Mental Health Clinical: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4535; NUR 4227; NUR 4227L; NUR 4535L. Clinical Application of Nursing process, scientific and evidence-based principles in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0,12) Practicum in Community and Public Health Nursing: PR: RN status or C.I. NUR 4837, and NUR 4637. Synthesis of theories and concepts incorporated throughout the curriculum, applied in the community health and public health nursing setting, and directed toward professional role development. Graded S/U. Fall, Spring.

NUR 4637 CON-NURS 2(2,0) Public Health Nursing: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4495L; NUR 4495L. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4637L CON-NURS 1(0,3) Public Health Nursing Clinical: PR: Admission to the BSN program, successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4495L; NUR 4495L. Clinical Course to apply concepts of public health nursing. Students will apply findings of community assessment completed in NUR 4637 Public Health Nursing. Graded S/U. Fall, Spring.

NUR 4675 CON-NURS 3(3,0) Issues in Rural Health Care: PR: NUR 3065 or Junior Status or C.I. The rural environment and appropriate health care services and programs for rural populations. Occasional.

NUR 4760 CON-NURS 3(3,0) Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Principles of pain and pain management across the lifespan from neonates to the elderly, including practices across healthcare settings, from acute care to home care. Occasional.

NUR 4765 CON-NURS 3(3,0) Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4827 CON-NURS 3(3,0) Leadership and Management Principles: PR: NUR 3805, RN Status or C.I. Scientific theories and principles to leadership and management; to function in leadership, management, and teaching roles in professional nursing. Application of decision making process. Fall, Spring.

NUR 4828 CON-NURS 3(3,0) Nursing Leadership, Management and Role Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4828H CON-NURS 3(3,0) Honors Nursing Leadership, Management and Role Transition: PR: Admission to BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0) Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community. Fall, Spring.
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 4838L CON-NURS 2(0,2) 

NUR 4906 CON-NURS 3(3,0)  
Variable Independent Study: Directed Study. Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907S CON-NURS 3(3,0)  
Directed Reading: Research-Honors: PR: Permission of Honors and admission to major. The student will review and synthesize literature on a selected topic in preparation for the Honors Thesis or Project. Graded S/U or Letter grade. Occasional.

NUR 4930 CON-NURS 3(3,0)  
Health Issues in Minority and Special Populations: PR: Nursing Majors/Junior Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. Occasional.

NUR 4942L CON-NURS 3(0,3)  

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 3805 and RN status or CI. Designed to enhance student’s knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graded S/U. Spring.

NUR 4971H CON-NURS 3(3,0)  
Thesis or Project Works-Honors: PR: Permission of Honors. This course provides students with faculty mentoring through the process of writing and defending the Honors Thesis or Project. Occasional.

OCE 3008 COS-BIOL 3(3,0)  
Oceanography: PR: ESE 2101C, CHEM 2045C, and CHEM 2045D. Biological, physical and chemical oceanogra.

OCE 3490 OPT-OPT 3(3,0)  
Nanophotonics: PR: PHY 2404C or C.I. Optical photonic processes on nano scale and interactions with elements of physics & engineering. Occasional.

OCE 4052 OPT-OPT 3(3,0)  
Introduction to Photonics: PR: EEL 3470. Properties of light as waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.

OCE 4470 OPT-OPT 3(3,0)  
Optical Fiber Communication Systems: PR: ECE 3550 and OCE 4052. Introduction to the principles and design of optical fiber communication systems including the optoelectronic devices used in transmitters and receivers. Spring.

OCE 4830 OPT-OPT 3(3,0)  
Introduction to Imaging Systems: PR: EEL 3122C and OCE 4052. Mathematical and physical models of two- and three-dimensional imaging systems including gazing, scanning, interferometric, tomographic and hyperspectral systems. Remote sensing and biological and medical applications. Spring.

OCE 5041 OPT-OPT 3(3,0)  
Introduction to Wave Optics: PR: EEL 4440 or PHY 4424 or C.I. Electromagnetic foundation of light waves as to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OCE 5203 OPT-OPT 3(3,0)  
Geometrical Optics and Imaging Systems: PR: Graduate standing or C.I. Principles of Geometrical Optics, Geometrical Theory of Image Formation, Optical System Layout, Radiometry, Fall, Spring.

OCE 5312 OPT-OPT 3(3,0)  
Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and reflection of materials, classical and quantum mechanical description of optical properties. Fall, Spring.

OCE 5313 OPT-OPT 3(3,0)  
Materials for Optical Systems: PR: Graduate standing or C.I. Course will review key attributes of optical materials that allow them to be used in a range of applications, devices and components in optical systems. Occasional.

OCE 5541 OPT-OPT 3(3,0)  
Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices including quantum well semiconductor devices. Fall.

OCE 5630C OPT-OPT 3(1,2)  
Thin Film Optics: PR: PHY 4424 or EEL 4440 and OCE 5041 or OCE 5630C. Principles of thin film optics and its applications in optical, electro-optical, and laser systems. Occasional.

PAD 3003 HPA-PUB 3(3,0)  

PAD 3040 HPA-PUB 3(3,0)  
Ethics and Values in Public Administration: PR: Junior standing or C.I. Ethical dimensions of public administration. Develops the awareness, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3,0)  
Urban and Regional Planning: PR: PAD 3003 or CI. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.

PAD 3733 HPA-PUB 3(3,0)  
Professional Administrative Writing in the Public Sector: PR: ENC 1102 or CI. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3830 HPA-HAPA 1(1,1)  
American Humänics Human Service Workshop: PR: Enrollment in American Humänics Minor or National Certificate Program through American Humänics Program office. Discussion and activity based course exploring nonprofit competencies to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. Fall, Spring.

PAD 4834 HPA-PUB 3(3,0)  
The Administration of Public Policy: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3,0)  
Administrative Theory: A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrat.

PAD 4110 HPA-PUB 3(3,0)  
Intergovernmental Administration: Various approaches to studying and explaining the American intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall, Spring.

PAD 4131 HPA-PUB 3(3,0)  
Public Sector Project Management: Various approaches to managing projects, including using scheduling techniques such as GANTT, CPM, and PERT, as well as team building, facilitating, and leadership skills. Occasional.

PAD 4144 HPA-PUB 3(3,0)  
Non-Profit Organizations: PR: Junior standing and have declared Non-Profit Minor or Certificate or CI. The operations of nonprofit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3,0)  
Resource Development in the Nonprofit Sector: PR: Junior status and have declared Nonprofit minor or certificate or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3,0)  
Volunteer Management: PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of the recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3,0)  
Planning and Improvement for Pub Org: Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.

PAD 4204 HPA-PUB 3(3,0)  
Fiscal Management: PR: CI. Analysis of methods of securing public funds, the process of budget making, and techniques of management used in managing public funds. Fall, Spring.

PAD 4223 HPA-PUB 3(3,0)  
Public Budgeting: Skills and Techniques: PR: PAD 4204 or C.I. Analytical skills and administrative techniques employed by public budget analysts, focusing on the process of generating and using information. Occasional.

PAD 4253 HPA-PUB 3(3,0)  
Community & Economic Development: PR: PAD 3003 or C.I. This course will examine local and regional economic development strategies, with an emphasis on effective policy setting and planning. Fall.

PAD 4325 HPA-PUB 3(3,0)  
Program Evaluation for Public and Non-Profit Organizations: PR: PAD 3003 or C.I. To develop an understanding of program evaluation and to apply the process by developing a program evaluation for a program. Spring.

PAD 4331 HPA-PUB 3(3,0)  
Land Use and Planning: PR: PAD 3330 or CI. 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: CR: PAD 3330 or C.I. Theories and concepts of the physical, cultural, social and financial factors associated with urban design. Spring.

PAD 4551 HPA-PUB 3(3,0)  
Issues in Environmental Program Management: CR: PAD 3330. The study of environmental policy making processes, programs, and problems through lectures, field study, and research projects. Spring.

PAD 4390 HPA-PUB 3(3,0)  
Methadone Treatment and Preparedness: PR: PR or CR: PAD 4392. Specialized knowledge and skills necessary to develop a proactive hazard mitigation plan to reduce the effects of natural and technological disasters. Fall.

PAD 4392 HPA-PUB 3(3,0)  
Emergency Management and Homeland Security: PR: PAD 3003 or C.I. After a public emergency, a variety of services must be provided to the victims. This course reviews and analyzes coordination and management of these services. Fall.

PAD 4395 HPA-PUB 3(3,0)  
Disaster Response and Recovery: PR: PR or CR: PAD 4392. Individual, group, organizations and community behavior and recovery from disasters. Service delivery strategies are highlighted and complex dynamics of the recovery process are emphasized. Spring.

UF Courses and Descriptions
PAD 4414 HPA-PUB 3(3,0) Public Personnel Administration: The history, personnel, components, structural characteristics, and increasing impact of laws and related sanctions on personnel practices of public agencies. Fall, Spring.

PAD 4446 HPA-PUB 3(3,0) Multiculturalism in Public Administration: PR: PAD 3003 or C.I. This course is designed to help public managers examine public and personal attitudes and values, ethical dilemmas, and social consequences related to issues of diversity. Occasional.

PAD 4461 HPA-PUB 3(3,0) Reengineering Government: PR: PAD 3003. Acquaints undergraduate students with the latest thinking on improving the effectiveness and efficiency of public organizations via reengineering. Occasional.

PAD 4616 HPA-PUB 3(3,0) Privatization: PR: PAD 3003 or C.I. Analysis of the process of privatizing existing governmental services, including privatization decision, creation of RIF or ITB, contract award and contract management. Occasional.

PAD 4712 HPA-PUB 3(3,0) Information Systems for Public Managers and Planners: PR: PAD 3330 or C.I. Knowledge and skills concerning information technologies important for planning and public managers, including use of GIS to manipulate and analyze spatial data. Spring.

PAD 4720 HPA-PUB 3(3,0) Survey Research in Public Administration: Introduction to the concepts, design, methodology, computer applications, and data analysis in applied research in the public sector. Fall, Spring.

PAD 4803 HPA-PUB 3(3,0) Issues in Urban Administration: CR: PAD 3330 or C.I. To provide students with an understanding of public policy and administrative responses to socioeconomic problems within the urban context. Occasional.

PAD 4941 HPA-PUB 3-6(0,6) Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded SIU. Occasional.

PAD 4948 HPA-PUB 3(3,0) American Humanities Internship: PR: Enrollment in American Humanities AH Certification Program, completion of 2 AH restricted course electives and approval of AH Campus Director. Supervised internships to demonstrate AH identified competencies for students in American Humanities AH certification program. Requires minimum of 300 hours placement in nonprofit human services organization. May be repeated for credit. Fall, Spring.

PAD 5041 HPA-PUB 3(3,0) Ethics and Values in Public Administration: Examination of ethics in the public sector. Public concerns, past patterns, and individual/social aspects of ethical behavior are explored. Occasional.

PAD 5060 HPA-PUB 3(3,0) Administrative Practice in the Public Sector: The application of various theoretical concepts to the “real world” of public administration. Policy formulation and execution are examined through the case study mode. Occasional.

PAD 5145 HPA-PUB 3(3,0) Volunteering 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 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 urbanization, development laws and comprehensive planning, environmental planning, and social planning. Fall.

PAD 5337 HPA-PUB 3(3,0) Urban Design: Planning techniques such as planned unit developments, capital improvements planning, and growth management, and planning methods, including needs assessment and graphic design. Fall.

PAD 5338 HPA-PUB 3(3,0) Land Use and Planning Law: Review of land use and local aspects of the legal underpinnings of urban planning such as zoning, growth management, and environmental regulation. Spring.

PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5407 HPA-PUB 3(3,0) Local Government Operations: Operational functions of municipal and county governments and the role of the chief executive officer. Fall.

PAD 5505 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree, Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management responding to funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PAC 2102 HPA-HPA 2(2,0) Public Affairs Careers: Introduction and examination of public affairs programs of study and career opportunities that will prepare students for future careers. Fall.

PFC 3753H HPA-HPA 3(3,0) Honors Ethical Issues in Health and Public Affairs: PR: Permission of Honors and Junior standing. An analysis of the role of the chief executive officer. Fall.

PFC 3754H HPA-HPA 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.

PFC 4234 COS-BIOL 3(3,0) Zoo and Aquarium Management: PR: PCB 3044, and PCB 3063 or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PFC 5235 COS-BIOL 3(3,0) Zoo and Aquarium Biology Management: PR: Successful completion of PCB 3044 and PCB 3063 and C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PCB 3023 COS-BIOL 3(3,0) Molecular Cell Biology: PR: BSC 2010C, CHM 2045C, and PCB 3063, or C.I. Molecular structure and function of eukaryotic organisms. Transcription: RNA processing, translation and post translation targeting and modification of gene products. Fall, Odd Spring.

PCB 3024L COS-BIOL 2(0,8) Molecular Cell Biology Laboratory: PR: or CR: PCB 3023. Critical thinking, technical skills, and integration of biochemical, molecular, and microscopic experimental approaches to understanding cell structure and function. Occasional.

PCB 3044 COS-BIOL 3(3,0) Principles of Ecology: PR: BSC 2010C, BSC 2011C, and CHM 2045C, or C.I. Elements of ecosystems, biogeochemical cycling, environmental factor interactions, population dynamics, and community development. Fall.

PCB 3044L COS-BIOL 1(0,3) Principles of Ecology Laboratory: PR: or CR: PCB 3044 or C.I. Field and laboratory investigations of natural ecosystems, with emphasis on current methodology in ecology. Fall. M&S fee: $15.00.

PCB 3063 COS-BIOL 3(3,0) Genetics: PR: BSC 2010C and CHM 2046, or C.I. Basic principles of heredity as applied to prokaryotes and eukaryotes. Fall, Spring.

PCB 3063H COS-BIOL 3(3,0) Heredity Genetics: PR: BSC 2010C and CHM 2046, or C.I. and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

PCB 3063L COS-BIOL 1(0,3) Genetics Laboratory: PR: or CR: PCB 3063 or C.I. Introduction to laboratory techniques of genetics. Fall, Spring. M&S fee: $28.00.

PCB 3223 COM-M&M 3(3,0) Immunology: PR: BSC 2010C. Basic principles of immune reactions, antigen antibody interactions, cell mediated immunity, tumor immunology, and immune therapy. Fall.


PCB 335C COS-BIOL 2(1,1) Tropical Marine Biology: PR: BSC 2010C and BSC 2011C or C.I. Intensive, one week field course at an institute of marine science. Diving/snorkeling will be used extensively to study organisms on pristine coral reefs. Occasional.

PCB 3342 COS-BIOL 3(3,0) Florida Aquatic Ecology: PR: BSC 2010C and BSC 2011C, or C.I. Introduction to aquatic ecology of Florida with emphasis on ponds, lakes, streams, and rivers. Occasional.

PCB 3522 COM-M&M 3(3,0) Molecular Biology I: PR: CHM 2211 and MCB 3020C or C.I. The general principles governing the structure and function of both prokaryotic and eukaryotic genes. Fall, Spring.

PCB 3703C COM-M&M 4(3,3) Human Physiology: PR: BSC 2010C, CHM 1032 or CHM 2045C. The physiology and interrelationships of organ systems of the human body. Fall, Spring. M&S fee: $35.00
UCF Courses and Descriptions

**PEL 2121 ED-CFCS 2(1,1)**
**Interim Bowling:** PR: PEL 2111, bowling experience, or average of 340 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

**PET 3125 ED-CFCS 3(3,0)**
**Introduction to Sport and Fitness:** An introduction to sport and fitness industry professions with emphasis in fitness, recreation, physical activity, and human performance. Occasional.

**PET 2622C ED-CFCS 2(1,1)**
**Human Injuries:** PR: C.I. The prevention, identification, care, and rehabilitation of human injuries. Fall, Spring.

**PET 3137 ED-CFCS 3(3,0)**
**Concepts & Practices in Sport and Fitness:** PR: Admission to the Sport and Fitness program or C.I. Examination of concepts and practices in sport and fitness. Fall, Spring.

**PET 3327C HPA-HP 2(1,1)**
**Upper Extremity Function and Measurement:** PR: ZOO 3733C or ZOO 3736C. Upper extremity functional anatomy, manual muscle testing and goniometry. Spring.

**PET 3510C HPA-HP 3(2,1)**
**Physiologic & Metabolic Basis of Human Movement & Performance:** PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, diet, nutrition, and performance & injury; focus on the key elements for the application of athletic training principles. Fall.

**PET 3125 ED-CFCS 3(3,0)**
**Introduction to Sport and Fitness:** An introduction to sport and fitness industry professions with emphasis in fitness, recreation, physical activity, and human performance. Occasional.

**PET 2622C ED-CFCS 2(1,1)**
**Human Injuries:** PR: C.I. The prevention, identification, care, and rehabilitation of human injuries. Fall, Spring.

**PET 3137 ED-CFCS 3(3,0)**
**Concepts & Practices in Sport and Fitness:** PR: Admission to the Sport and Fitness program or C.I. Examination of concepts and practices in sport and fitness. Fall, Spring.

**PET 3327C HPA-HP 2(1,1)**
**Upper Extremity Function and Measurement:** PR: ZOO 3733C or ZOO 3736C. Upper extremity functional anatomy, manual muscle testing and goniometry. Spring.

**PET 3329C HPA-HP 2(1,1)**
**Lower Extremity Function and Measurement:** PR: ZOO 3733C or ZOO 3736C. Lower extremity functional anatomy, manual muscle testing and goniometry. Fall.

**PET 3344C ED-CFCS 2(1,1)**
**Fundamentals of Athletic Coaching:** PR: PEO 2011 or C.I. Basic knowledge of standards and practices for athletic coaches. Occasional.

**PET 3351C HPA-HP 3(2,1)**
**Physiologic & Metabolic Basis of Human Movement & Performance:** PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, diet, nutrition, and performance & injury; focus on the key elements for the application of athletic training principles. Fall.

**PET 3620 HPA-HP 3(3,0)**
**Principles of Athletic Training:** PR: ZOO 3733C or ZOO 3736C and PCB 3703C. Junior standing; open to all COHPA majors. Athletic training principles including injury recognition, emergency care, bloodborne pathogens, rehabilitation and prevention. Fall. M&S fee: $75.00

**PET 3623C HPA-HP 2(2,1)**
**Recognition and Evaluation of Athletic Injuries I:** PR: PET 3620. Recognition and evaluation skills required to perform an injury assessment of the lower extremity and spine and provide immediate management. Fall.

**PET 3627C HPA-HP 3(2,1)**
**Injury, Management, and Rehabilitation:** PR: ZOO 3733C or ZOO 3736C. C.I. Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercise are integrated through the course. Fall.

**PET 3633C HPA-HP 2(1,1)**
**Clinical Skills for Athletic Trainers I:** PR: ZOO 3733C or ZOO 3736C. Junior standing; open to all non-majors. Clinical skills including functional knowledge of muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment skills. Fall. M&S fee: $30.81

**PET 3649C HPA-HP 2(1,1)**
**Clinical Skills for Athletic Training II:** PR: PET 3633C and (ZOO 3733C or ZOO 3736C). Junior standing; open to all non-majors. Clinical skills including functional knowledge of upper extremity muscular anatomy; taping and bracing skills; and pharmacological interventions for common general medical conditions and athletic injuries. Spring. M&S fee: $15.00

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**UNIVERSITY OF CENTRAL FLORIDA**

**Undergraduate Catalog 2010-2011**
Outdoor and Leisure Activities: PET 3820 ED-CFCS  3(2,1)
Continuation of clinical practicum under direct supervision of a certified athletic trainer. Fall, Spring.

Practicum in Athletic Training I: PR: PET 3620. Clinicial introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

Practicum in Athletic Training II: PR: PET 367L. Continuing of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

Teaching Physical Education in the Secondary School: PET 3740C ED-CFCS  2(1,1)
Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

Coaching Theory: PR: Admitted to CDE or C.I. Theories of coaching team and individual sports. Fall, Spring.

Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 378C. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

Strength and Conditioning Concepts: PET 377C ED-CFCS  3(3,0)
PR: Admission to Sport and Fitness program, ZOO 376C. Selective strength and conditioning for the sports and fitness professional. Fall.

Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate sports and leisure activities in physical education programs. Occasional.


Motor Development and Learning: PR: PE Junior standing. An analysis of the theories and factors influencing the motor development of children and the learning of gross and fine motor skills. Fall, Spring.

Personal Training Methods: PR: Admission to Sport and Fitness program, ZOO 376C, PET 4550, PET 4312 (all required); or C.I. Interdisciplinary study of personal training methods. Fall, Spring.

Physical Activity & Preventive Medicine: PR: ZOO 376C or C.I. Critical awareness and analysis of evidence that exercise training can prevent some diseases and increase quality of life. Occasional.

Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and the exploration of techniques to enhance athlete performance. Fall, Spring.

Biomechanics: PR: Anatomy. The comprehension and application of anatomical and mechanical principles involved in human movement. Fall.
PHI 2010 CAH-PHIL 3(3,0) Introduction to Philosophy: Inquiry into the meaning and justification of fundamental ideas and beliefs concerning reality, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall, Spring.

PHI 2010H CAH-PHIL 3(3,0) Honors Introduction to Philosophy: PR: Phi Iota Kappa. Same as PHI 2010 with honors-level content. Fall, Even Spring.


PHI 2101 CAH-PHIL 3(3,0) Formal Logic I: A study of sentence and predicate logics, with introduction to modal, epistemic, deontic, multi-valued, and indeterminant logics. Occasional.

PHI 2108 CAH-PHIL 3(3,0) Critical Thinking: The logic of conversation, informal fallacies, and reasoning about human action. Occasional.

PHI 2630 CAH-PHIL 3(3,0) Ethics: An examination of the nature of moral problems, judgments and principles, with an emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0) Logic and Ethics: PR: PHI 2101 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3022 CAH-PHIL 3(3,0) Sexuality, Gender & Philosophy: PR: WST 3015, PHI 2010, PHM 3123, or C.I. Examines the contributions of poststructuralist and neuroscientific theories to cultural issues in sexuality and gender. Even Spring.
1. **Philosophy of Psychology:** Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.

2. **Philosophy of Mind:** PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personhood, and the relation of psychology to neurobiology. Occasional.

3. **Minds and Machines:** PR: Philosophy major or C.I. Assumptions underlying research in Cognitive Science. Fall, Odd Spring.

4. **Philosophy of Psychology:** PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.

5. **Practical Wisdom:** PR: Junior standing or PHI 2010 or C.I. Course focuses on ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

6. **Virtual Ethics:** PR: COP 3502C or DIG 2000 or C.I. Ethics of virtual worlds as contrasted to the physical world, the use of simulation, virtual environments, and modeling in philosophy, especially in ethics. Occasional.

7. **Advanced Ethics in Science and Technology:** PR: COP 3502C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

8. **Family Values:** PR: PHI 2010, PHI 2630, PHI 3670, or WST 009. Applied ethics examining legal, religious, and other cultural prescriptions related to sexuality, marriage, reproduction, child-rearing and other forms of familial relationship and caregiving. Even Spring.


10. **Environmental Ethics:** PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, environmentalism, and social ecology. Occasional.

11. **Ethical Implications of the Human Genome Project:** PR: BSC 2010C and either PHI 2010 or PHI 2630 or PHI 3670. Ethical issues surrounding the Human Genome Project, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic patenting. Occasional.

12. **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 justice; some examination of metaethical issues. Even Spring.

13. **Animal Ethics:** PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.
UCF Courses and Descriptions

**PHY 5466C COS-PHYS** 1(0.5,1.5) Wave Motion for Teachers: PR: Graduate status or senior standing or C.I. Waves, waves on strings, sound and vibrations. Occasional.

**PHY 5500C COS-PHYS** 1(0.5,1.5) Thermal Physics for Teachers: PR: Graduate status or senior standing or C.I. Engines, heat pumps, kinetic theory, phase changes, radiation, weather. Occasional.

**PHY 5524 COS-PHYS** 3(3,0) Statistical Physics: PR: PHY 3513, STA 3042, and graduate status or senior standing or C.I. A study of physical concepts and methods appropriate for the description of systems involving many particles. Ensemble theory, partition functions. Maxwell Boltzmann, Bose-Einstein, Fermi-Dirac statistics. Spring.

**PHY 5606 COS-PHYS** 3(3,0) Quantum Mechanics I: PR: PHY 4605, and graduate status or senior standing or C.I. Basic postulates of quantum mechanics, operators, eigenvalues, parity, potential wells, harmonic oscillator, time dependent and time independent Schrödinger equation, matrix formulation, and time independent perturbation theory. Fall.

**PHY 5650 COS-PHYS** 3(3,0) Introduction to Quantum Computation: PR: C.I. Theoretical fundamentals and physical implementations of quantum computation for science and engineering students. Occasional.

**PHY 5704 COS-PHYS** 3(3,0) Physics of Nanoelectronics Devices: PR: Graduate standing or C.I. Fabrication techniques of nanoscale electronic devices and understanding of their charge transport properties. Odd Fall.

**PHY 5705 COS-PHYS** 1(1,0) Physics of Graphene and Carbon Nanotubes: PR: PHZ 4404 or equivalent, or C.I. Advanced topics in carbon nanotubes and graphene sheets by presentation and discussion of current literature. Odd Fall.

**PHY 5715 COS-PHYS** 3(3,0) Physical Basis of Life: PR: Graduate standing or C.I. Molecules and physical principles of origin of life, physical and chemical interpretation of life processes. Fall.

**PHY 5817L COS-PHYS** 1(0.3) Building Physics Apparatus: PR: Graduate standing or senior standing or C.I. Hands-on shop course. Focus will be machine shop practice with possible extension to printed circuit boards and glass work. Occasional. N&S fee: $45.00

**PHY 5846C COS-PHYS** 3(3,3) Methods of Experimental Physics: PR: Graduate status or senior standing or C.I. Introduction to methods of experimental physics, including instrumental design, data acquisition, vacuum, cryogenics, sample preparation, nuclear physics, transport, and spectroscopy. Fall.

**PHY 5933 COS-PHYS** 3(3,0) Selected topics in biophysics of macromolecules: PR: PHY 3101, CHM 2046, and graduate status or senior standing or C.I. Physical concepts and techniques used in the spectroscopic study of dynamic structure and function of biological macromolecules such as proteins; Connections with other complex systems. May be repeated for credit. Occasional.

**PHY 5944** 1(1,0) Advanced Topics in Nanoscience: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

**PHY 5955** 1(1,0) Special Relativity: PR: Graduate status or senior standing or C.I. Conservation of momentum, time dilation, simultaneity, conservation of mass-energy, energy-momentum, Compton scattering. Occasional.

**PLA 3014 HPA-CJ/LS** 3(3,0) Law and the Legal System: A survey course designed to familiarize the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

**PLA 3108 HPA-CJ/LS** 3(3,0) Law and Legal Practice: PR: PLA 3014 or C.I. Legal research methods. Fall, Spring.

**PLA 3155 HPA-CJ/LS** 3(3,0) Legal Writing: PR: PLA 3108. A study of legal writing format, technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

**PLA 3205 HPA-CJ/LS** 3(3,0) Civil Practice and Procedure: PR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

**PLA 3205H HPA-CJ/LS** 3(3,0) Civil practice and Procedure - Honors: PR: Permission of Honors and PLA 3014 or C.I. Same as PLA 3205 with honors level content. Occasional.

**PLA 3277 HPA-CJ/LS** 3(3,0) The Law of Torts: PR: PLA 3014 or C.I. Theories governing liability for civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.

**PLA 3306 HPA-CJ/LS** 3(3,0) Criminal Law: Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

**PLA 3309 HPA-CJ/LS** 3(3,0) Criminal Procedure: PR: PLA 3014 or CCJ 3024 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

**PLA 3615 HPA-CJ/LS** 3(3,0) Property and Real Estate Law: PR: PLA 4910 or C.I. Study of the law of real and personal property; real estate transactions and conveyances, closing procedures and title problems. Fall, Spring.

**PLA 4110** 3(3,0) Negotiation Alternatives in Law: PR: PLA 3014/C.I. Theories and skills involved in negotiation, mediation and other dispute resolutions processes. Occasional.


**PLA 4303** 3(3,0) Evidence: PR: PLA 3014 and 3001 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 4410** 3(3,0) The Law of Contracts: Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

**PLA 4424 HPA-CJ/LS** 3(3,0) The Law of Contracts: Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

**PLA 4436 HPA-CJ/LS** 3(3,0) Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

**PLA 4464 HPA-CJ/LS** 3(3,0) Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

**PLA 4472 HPA-CJ/LS** 3(3,0) Employment Discrimination Law: PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

**PLA 4485 HPA-CJ/LS** 3(3,0) Administrative Law: PR: PLA 3014 or PADO 3005. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

**PLA 4500** 3(3,0) Legal Issues of the Eldery: PR: PLA 3014. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLA 4554</td>
<td>HPA-CJ/LS</td>
<td>Environmental Law: PR: PLA 3014 and PLA 4485 or C.I. Commercial 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.</td>
</tr>
<tr>
<td>PLA 4583H</td>
<td>HPA-CJ/LS</td>
<td>Honors Cyber Law: PR: Honors GPA, permission of Honors, or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Content. Occasional.</td>
</tr>
<tr>
<td>PLA 4607</td>
<td>HPA-CJ/LS</td>
<td>Estates and Trusts: PR: PLA 3014, PLA 3615A. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 4734</td>
<td>HPA-CJ/LS</td>
<td>Advanced Legal Applications Computer Software: PR: PLA 3024 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's law firms and law-related fields. Occasional.</td>
</tr>
<tr>
<td>PLA 4806</td>
<td>HPA-CJ/LS</td>
<td>Domestic Relations Law: PR: PLA 3014 and PLA 3615, or C.I. An in-depth study of family law focusing on community, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 4813</td>
<td>HPA-CJ/LS</td>
<td>Juvenile Law and Procedure: PR: PLA 3014 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictons. Occasional.</td>
</tr>
<tr>
<td>PLA 4823</td>
<td>HPA-CJ/LS</td>
<td>Sports Law: PR: PLA 3014 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.</td>
</tr>
<tr>
<td>PLA 4830</td>
<td>HPA-CJ/LS</td>
<td>World Legal Systems: PR: PLA 3014 or equivalent. An examination of various legal traditions and systems of the world. Substantive and procedural laws will be examined. Occasional.</td>
</tr>
<tr>
<td>PLA 4910</td>
<td>HPA-CJ/LS</td>
<td>Trial Advocacy: PR: PLA 3024, 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.</td>
</tr>
<tr>
<td>PLA 4935</td>
<td>HPA-CJ/LS</td>
<td>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 with real-world situations involving employment or graduate education. Fall, Spring.</td>
</tr>
<tr>
<td>PLA 5587</td>
<td>HPA-CJ/LS</td>
<td>Current Issues in Cyberlaw: PR: Graduate standing or C.I. Advanced examination and discussion of free speech, copyright, trademark, and patent issues in the online environment through interactive class discussions, online forums, class study reviews, and legal research projects. Occasional.</td>
</tr>
<tr>
<td>POR 1120C</td>
<td>CAH-LANG</td>
<td>Civilization I: PR: PLA 3014 or C.I. Continuation of Language and Culture I. Students will engage with the major language skills: listening, speaking, reading, writing, and culture. Open only to students with no experience in this language. Fall.</td>
</tr>
<tr>
<td>POR 1121C</td>
<td>CAH-LANG</td>
<td>Civilization II: PR: PLA 3014 or C.I. Continuation of Language and Culture II. Students will continue to develop the major language skills: reading, writing, listening, and speaking. Spring.</td>
</tr>
<tr>
<td>POR 2200</td>
<td>CAH-LANG</td>
<td>Intermediate Portuguese I: PR: POR 1120C or C.I. Continuation of POR 1120C. The course emphasizes the four major language skills at the intermediate level. Fall, Spring.</td>
</tr>
<tr>
<td>POR 2201</td>
<td>CAH-LANG</td>
<td>Intermediate Portuguese II: PR: POR 2200 (Intermediate Portuguese I) or C.I. Continuation of POR 2200 with emphasis on Portuguese cultures. Fall, Spring.</td>
</tr>
<tr>
<td>POR 3140</td>
<td>CAH-LANG</td>
<td>Accelerated Portuguese for Speakers of Romance Languages: PR: POR 2200, or ITA 2201, or SPN 2201, or SPN 2201, or C.I. Continuation of POR 2200 with emphasis on Portuguese Fluency. Fall.</td>
</tr>
<tr>
<td>POS 3122H</td>
<td>COS-POLS</td>
<td>Honors State Government and Public Policy: PR: POS 2041 or C.I. and permission of Honors. A comprehensive study of American state governments, political processes, and public policies, with emphasis on Florida. With Honors content. Occasional.</td>
</tr>
<tr>
<td>POS 3182</td>
<td>COS-POLS</td>
<td>Florida Politics: PR: POS 2041 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.</td>
</tr>
<tr>
<td>POS 3233</td>
<td>COS-POLS</td>
<td>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.</td>
</tr>
<tr>
<td>POS 3234</td>
<td>COS-POLS</td>
<td>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.</td>
</tr>
<tr>
<td>POS 3235</td>
<td>COS-POLS</td>
<td>Mass Media and Politics: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.</td>
</tr>
<tr>
<td>POS 3235H</td>
<td>COS-POLS</td>
<td>Honors Mass Media and Politics: PR: POS 2041 or C.I., consent of Honors. Foundation of media and political behavior, political institutions, and public policy. With Honors content. Occasional.</td>
</tr>
<tr>
<td>POS 3253</td>
<td>COS-POLS</td>
<td>Contemporary Revolution and Political Violence: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.</td>
</tr>
<tr>
<td>POS 3255</td>
<td>COS-POLS</td>
<td>Contemporary Revolution and Political Violence: PR: POS 2041 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.</td>
</tr>
<tr>
<td>POS 3255H</td>
<td>COS-POLS</td>
<td>Honors Contemporary Revolution and Political Violence: PR: POS 2041 or C.I., consent of Honors. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. With Honors content. Occasional.</td>
</tr>
<tr>
<td>POS 3273</td>
<td>COS-POLS</td>
<td>Voting and Elections: PR: POS 2041 or C.I. The influence of media on public opinion, the definition of political news, and selected public policies. Even Fall.</td>
</tr>
<tr>
<td>POS 4313</td>
<td>COS-POLS</td>
<td>The American Presidency: PR: POS 2041 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office's evolution in status, powers, administrative responsibilities, leadership, and decision-making. Occasional.</td>
</tr>
<tr>
<td>POS 4324</td>
<td>COS-POLS</td>
<td>Congress and the Legislative Process: PR: POS 2041 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the legislative process, legislative coordination. Fall.</td>
</tr>
<tr>
<td>POS 4343</td>
<td>COS-POLS</td>
<td>Political Parties and Processes: PR: POS 2041 or C.I. In-depth study of the American political party system in the context of changing American politics; topics include development, organization, reforms, legislative and executive roles. Occasional.</td>
</tr>
</tbody>
</table>
PSY 2012 COS-PSYCH 3(3,0)
General Psychology: A survey of the basic principles, theories, methods, and research in psychology, including the study of human diversity. Fall, Spring.

PSY 2012H COS-PSYCH 3(3,0)
Honors General Psychology: PR: Permission of Honors. A survey of the basic principles, theories, and methods of contemporary psychology, including the study of human diversity. Honors-level content. Fall, Spring.

PSY 2023 COS-PSYCH 1(1,0)

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 current psychological literature on career decision-making. Examination of career development in psychology including educational entry requirements and related issues. Occasional.

PSY 3204C COS-PSYCH 4(3,2)

PSY 3204H COS-PSYCH 4(3,1)
Honors Statistical Methods in Psychology: PR: STA 2014C or STA 2023 and consent of Honors. C.I. Standard scores, confidence intervals, sampling distributions, hypothesis testing, correlation and regression as applied to research in psychology. With Honors content. Occasional.

PSY 3213C COS-PSYCH 5(3,2)
Research Methods in Psychology: PR: PSY 2012, PSY 3204C, and either STA 2014C or STA 2023. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. Fall, Spring. M&S fee: $20.00

PSY 3213H COS-PSYCH 5(3,2)
Honors Research Methods in Psychology: PR: PSY 2012, PSY 3204C and STA 2014C or STA 2023 and consent of Honors. Investigation of experimental designs and research methods utilized in psychology. Laboratory outcomes will be statistically analyzed and reported in APA format. With Honors content. Occasional.

PSY 3302 COS-PSYCH 3(0,0)

PSY 3320C COS-PSYCH 3(2,2)

PSY 3624 COS-PSYCH 3(3,0)

PSY 3630 COS-PSYCH 3(3,0)

PSY 3703 COS-PSYCH 3(3,0)
Psychology of Language: PR: PSY 2012 or C.I. Psychological principles involved in the communicative process, with application to individuals and groups. Occasional.

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: PSY 2012, and ARH 2050 or ARH 3041. Discussion of the psychological perspectives on art to gain a greater understanding and enhanced appreciation for the form and products of creativity. Occasional.

PSY 4215C COS-PSYCH 4(3,2)
Advanced Research Methods in Psychology: PR: PSY 3213C. Design, analysis, and interpretation of complex research projects in psychology. Fall, Spring. M&S fee: $20.00

PSY 4270L COS-PSYCH 3(0,3)
Advanced Research Methods Statistical Lab: PR: PSY 3213C and CR: PSY 4215C. Data analysis and research reporting procedures. Experience in analyzing and explaining the methods and results used in research reports. Occasional. M&S fee: $15.00

PSY 4305C COS-PSYCH 3(1,4)

PSY 4604 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: PSY 2012 and Junior standing. Historical development of psychology, with emphasis on classical theoretical positions. Occasional.

PSY 4604H COS-PSYCH 3(3,0)
Honors History and Systems in Psychology: PR: PSY 2012 and Junior standing and consent of Honors. Historical development of psychology, with emphasis on classical theoretical positions. With Honors content. Occasional.

PSY 5605 COS-PSYCH 3(3,0)
History and Systems of Psychology: PR: Acceptance to Clinical Psychology PhD program or C.I. An examination of 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 CID 3103 or C.I. Areas of public policy such as immigration, trade, taxation, and fiscal policy in selected countries. Occasional.

PUP 3203 COS-POLS 3(3,0)
Environmental Politics: PR: POS 2041 or C.I. An examination of politics and policy-making concerning issues of conservation, pollution and development of land, air, and water resources. Odd Fall.

PUP 3314 COS-POLS 3(3,0)
Minorities in American Politics: 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 C.I. Women’s role in the political process, emphasizing women in the governmental and policy process. Odd Fall.

PUP 3508 COS-POLS 3(3,0)
Space Studies: PR: Junior standing or C.I. Multidisciplinary overview of space studies, providing familiarity with some technical aspects as well as the relationship between technical and public policy considerations. Occasional.

PUP 4003 COS-POLS 3(3,0)
American Public Policy: PR: POS 2041 or C.I. American public policy formation, implementation, and evaluation, with a focus upon contemporary American problems, including the malapportionment of societal power and social conflict. Occasional.

PUP 4204 COS-POLS 3(3,0)
Sustainability: PR: POS 2041 or C.I. Environmental policies through the lens of “sustainability,” attention devoted to the relationships of culture, economics, and ecology. Odd Fall.

PUP 4209 COS-POLS 3(3,0)

PUP 4323 COS-POLS 3(3,0)
Women and Public Policy: PR: POS 2041 or C.I. Public policies and processes that achieve a disparate impact on women and women’s lives in the United States. Occasional.

PUP 4404 COS-POLS 3(3,0)
Education and Politics: PR: Junior standing or C.I. Western education and the connection between citizenship and education, education funding, and the politics of education reform. Occasional.

PUP 4503 COS-POLS 3(3,0)
Government and Science: PR: C.I. Examination of interface between science and government. Focus is upon governmental support for science, social accountability, and the role of the scientist-policy maker in comparative context. Occasional.

PUP 4510 COS-POLS 3(3,0)
Space Policy: An examination of the politics and policy-making involved with the US space program in the context of domestic demands and other international space programs. Even Fall.

PUP 4602 COS-POLS 3(3,0)
Politics of Health: PR: C.I. Analysis of public health policies. Primary focus upon public policies, policymakers, and interest group interventions, including consumers and policy outcomes. Comparative health policies. Occasional.

PUP 4744 COS-POLS 3(3,0)
Government and Business: PR: Junior standing or C.I. Analysis of public policies regarding business. Study includes various levels of government including international organizations. Occasional.

PUP 4931 COS-POLS 3(3,0)
Topics in Public Policy: Intensive analysis of a current policy problem. Sample topics include education, growth management, housing, affirmative action, welfare, and transportation. May be used in the degree program a maximum of 2 times. Occasional.

PUP 5100 COS-COMM 3(2,1)
Writing for Public Relations: PR: AD/PR Majors only. Development of skills in writing for public relations. Fall, Spring.

PUP 5200 COS-COMM 3(3,0)
Public Relations: PR: SPC 1608, or SPC 1603, or COM 1000. Principles and practice of Public Relations including techniques, research tools, publicity, and management. Fall, Spring.

PUP 4110C COS-COMM 3(1,3)
Public Relations Publications: PR: ENC 2230 or PUR 3100 or JOU 2100C or ENC 3250. Basic principles and techniques of desktop production of public relations publications. Fall, Spring.

PUP 4203 COS-COMM 3(3,0)
PR/Advertising Ethics and Law: PR: AD/PR Majors only and ADV 3008. Legal precedents applicable to advertising and public relations as well as ethical considerations for both. Occasional.
PUR 4801  COS-COMM  3(3,0)
Public Relations Case Studies: PR: AD/PR majors only and a credit in 4000 or C.I. Emphasis on research and analysis of public relations cases highlighting the application of PR theory to advance organizational goals. Fall, Spring.

RAT 3001  HPA-HP  3(3,0)

RAT 3241  HPA-HP  3(0,0)

RAT 3242  HPA-HP  2(2,0)
Oncologic Pathology: PR: Acceptance to program. Study of neoplastic diseases, including causative factors, characteristics, histologic grading, staging and treatment. Occasional.

RAT 3614  HPA-HP  2(2,0)

RAT 4247  HPA-HP  3(3,0)
Radiation Oncology I: Methods of treatment of malignant conditions of the skin, oral cavity, pharynx, sinuses, thyroid, digestive and respiratory systems. Occasional.

RAT 4248  HPA-HP  3(3,0)
Radiation Oncology II: Methods of treatment of malignant conditions of the nervous system, eye, reproductive system, urinary system, connective tissue, and lymphoreticular system. Occasional.

RAT 4618C  HPA-HP  4(3,0)
Radiation Therapy Physics II: PR: RAT 3614. Study of radiation protection techniques, design considerations, modes and characteristics of decay, handling of radionuclides and clinical dosimetry. Occasional.

RAT 4619C  HPA-HP  3(3,0)
Radiation Therapy Physics III: PR: RAT 4618C. Study of treatment planning principles and techniques, including multiple beam therapy, rotation therapy, arc therapy, and irregular field techniques. Occasional.

RAT 4804L  HPA-HP  5(0,20)

RAT 4814L  HPA-HP  6(0,24)

RAT 4824L  HPA-HP  6(0,24)

RED 3012  ED-TLP  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-CFCS  3(3,0)

RED 4043  ED-TLP  3(3,0)
Content Reading in Kindergarten through Grade 3: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum: Principles, strategies, assessment, and promising practices. Fall, Spring.

RED 4311  ED-CFCS  3(3,0)
Primary Reading, Writing, and Language Arts Curriculum and Assessment: PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.

RED 4519  ED-TLP  3(3,1)

RED 4942  ED-TLP  3(3,0)
Practicum for Assessment and Instruction of Reading: PR: RED 4519. CR: Internship I. Practicum that provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147  ED-TLP  3(3,0)

RED 5517  ED-TLP  3(3,1)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and corrective teaching in reading: Instructional materials. Case study required. Even Fall, Spring.

RED 5948  ED-TLP  3(3,0)
Practicum in Reading Assessment and Instruction: PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.

REE 3043  BA-FIN  3(3,0)
Fundamentals of Real Estate: PR: Junior standing. Application of basic tools of economics, finance, and marketing to solve private and public sector real estate problems. Fall, Spring.

REE 3433  BA-FIN  3(3,0)
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

REE 3614  BA-FIN  3(3,0)
Environmental Issues for Real Estate: PR: REE 3433, REE 3453; 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)

REE 4203  BA-FIN  3(3,0)
Commercial Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. The practice of commercial real estate finance; emphasis on lender and borrower decision making and secondary markets. Occasional.

REE 4204  BA-FIN  3(3,0)
Residential Real Estate Finance: PR: FIN 3403C; open to majors or minors which require this course. Study of the practice of residential real estate finance; emphasis on lender and borrower decision making and secondary markets. Fall, Spring.

REE 4303  BA-FIN  3(3,0)
Real Estate Investment Analysis: PR: FIN 3403C. Analysis of real estate decision making in the private sector utilizing tools of financial and economic analysis. Fall, Spring.

REE 4732  BA-FIN  3(3,0)
Real Estate Development: PR: FIN 3403C. The real estate development process, from the inception of a project through leasing, 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 3343, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Cases cover the entire planning process for a real estate development or redevelopment project. Occasional.

REL 2300  CAH-PHIL  3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H  CAH-PHIL  3(3,0)

REL 3111  CAH-PHIL  3(3,0)
Religion and Philosophy Through Film: PR: ENC 1201 and either PHI 2020 or PHI 2020L. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3115  CAH-PHIL  3(3,0)

REL 3340  CAH-PHIL  3(3,0)
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary application. Odd Fall, Spring.

REL 3432  CAH-PHIL  3(3,0)
Roots of Western Mysticism: PR: HUM 3432, HUM 3452, HUM 3522, HUM 4303, HUM 4524, PHH 3100, or PHH 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110  CAH-PHIL  3(3,0)
Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions, with an emphasis on contemporary society. Occasional.

REL 4180  CAH-PHIL  3(3,0)
Religion and Medicine: PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the past and abroad. Occasional.

REL 4180H  CAH-PHIL  3(3,0)

REL 4901  CAH-PHIL  1(1,0)
Portfolio: PR: Final semester as Humanities/Religious Studies track major. Presentation of a representative sampling of a student’s best undergraduate work, with appropriate revision, including a cover narrative indicating development of knowledge and skills in the subject area. Graded S/U. Occasional.
REL 3026C HPA-HP  4(3,3) Introduction to Respiratory Care: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall. M&S fee: $45.00

RET 3494C HPA-HP  3(0,0) Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional. M&S fee: $14.00

RET 4505 HPA-HP  3(0,0) Chest Medicine: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

RET 4536 HPA-HP  3(0,0) Cardiopulmonary Rehabilitation: PR: RET 3026C or RET 3494C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.

RET 4715 HPA-HP  3(0,0) Neonatal Medicine: PR: RET 3714C or C.I. Fetal development, prenatal physiology, gas transport in the fetus and newborn. Congenital abnormalities, infections, diseases of the newborn. Resuscitation of the neonate. Fall.


RET 4934 HPA-HP  2(0,0) Selected Topics in Respiratory Therapy: PR: C.I. Current topics of adult critical care, as they apply to the advanced study of respiratory therapy. Spring.

RET 5090 HPA-HP  3(0,0) Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. Occasional.

RMI 3011 BA-FIN  3(0,0) Principles of Risk and Insurance: PR: RET 3494C. Emphasis on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

RET 3000 HPA-HP  3(0,0) Introduction to Radiologic Sciences: PR: Admission to Radiologic Sciences program. Orientation to career field, radiation protection, principles and procedures of medical imaging and radiation therapy. Fall.

RET 3111C HPA-HP  2(1,5,1.5) Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiology. Fall.

RET 3116 HPA-HP  3(0,0) Advanced Patient Care: PR: RET 3111C or C.I. Study of advanced patient care concepts and techniques associated with computer tomography, magnetic resonance imaging, mammography, pediatrics and intervention procedures. Spring.

RET 3308 HPA-HP  3(0,0) Medical Physics: PR: RET 3684C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

RET 3418C HPA-HP  3(2.5,1.5) Principles of Radiographic Exposure I: PR: Introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory equipment devices. Fall. M&S fee $29.00.

RET 3450C HPA-HP  3(2.5,1.5) Principles of Radiographic Exposure II: PR: RET 3418C or C.I. Study of technical and photographic processing variables influencing conventional, radiographic and digital image quality. Spring.

RET 3503C HPA-HP  3(2,3) Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranium, and facial bones. Summer.
UCF Courses and Descriptions

RTE 4782 HPA-HP 2(2.0)

RTE 4824L HPA-HP 5(0.24)
Clinical Education III: PR: RTE 3814L. Supervised clinical practice in radiographic/fluoroscopic procedures, with emphasis on the pelvis, bony thorax, vertebral column and mobile radiography. Occasional.

RTE 4834L HPA-HP 6(0.24)
Clinical Education IV: PR: RTE 4824L. Supervised clinical practice in radiographic/fluoroscopic procedures, with emphasis on examinations of the cranial, facial bones, sinuses and special procedures. Fall.

RTE 4846L HPA-HP 4(0.16)
Clinical Education V-B: PR: RTE 4834L. Supervised clinical practice in radiographic/fluoroscopic procedures with emphasis on examinations of the cranial, facial bones, sinuses and special procedures. Spring.

RTE 4854L HPA-HP 4(0.16)
Advanced Clinical Practice: PR: RTE 4846L or RTE 4846L Admission to As to BS Transfer Program. Supervised clinical practice in computed tomography, interventional radiology, cardiac catheterization, magnetic resonance, mammography, transradial or pediatric. Fall, Spring.

RTE 4903 HPA-HP 2(0.8)
Directed Study in Radiologic Education: PR: ETV 3971 or EDG 4323 or C.I. Directed activity in classroom instruction in radiologic technology. Occasional.

RTV 2102 COS-COMM 3(3.0)

RTV 3007 COS-COMM 3(3,0)
Development and Structure of Electronic Media and New Technology: PR: SPC 1006 or C.I. Nature of the media, the mechanics of operation of analog and digital systems, history, economics, programming, and internal and external controls. Fall, Spring.

RTV 3101 COS-COMM 5(3,2)

RTV 3200 COS-COMM 4(3,0)
Production Fundamentals and Aesthetics of Electronic Media: PR: or CR: RTV 3007 or C.I. Technical and creative concepts of analog and digital electronic media production for radio, television, and multimedia delivery systems. Fall, Odd Summer.

RTV 3210C COS-COMM 3(2,1)
Audio Production I: PR: RTV 3200 and RTV Major - Production Specialization. Audio production theory and recording techniques utilizing various microphone types, and digital non-linear audio computer-based editing equipment. Students should expect significant work in the RTV facility outside of class. Fall, Odd Fall, Spring. M&S fee: $30.00

RTV 3220C COS-COMM 3(2,1)
Lighting for Video: PR: RTV 3220C or RTV 3200C, and RTV Major - Production Specialization. Basic lighting techniques for both studio and location, single and multiple-camera production. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee: $30.00

RTV 3282C COS-COMM 4(3,1)
Radio and Television Programming: PR: RTV 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, tape recorders, cameras, video switchers, lighting, and electronic graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Even Spring. M&S fee: $30.00

RTV 3234C COS-COMM 3(2,1)
Broadcast Announcing and Performance: PR: RTV Major, RTV 3200 and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on announcing, interviewing, reporting, auditions, performance, training and commerce and commercials. Expect extensive studio work in the RTV facility outside the class. Occasional. M&S fee: $15.00

RTV 3260C COS-COMM 4(3,1)
Single Camera Video Production and Editing: PR: RTV 3200 and RTV Major - Production Specialization or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for electronic news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $30.00

RTV 3263C COS-COMM 3(2,1)
Advanced Video Post-Production: PR: RTV 3260C and C.I. Advanced post-production techniques for analog and digital video, including A/B time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee: $15.00

RTV 3301 COS-COMM 3(3.0)
Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and strategies and their accompanying ethical considerations for analog and digital media. Fall, Spring.

RTV 3304 COS-COMM 3(3.0)
Electronic Journalism II: PR: RTV 3301, RTV 3260C, and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering strategies learned in RTV 3301 are integrated into a newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 3942L COS-COMM 1-3(0-3,9)
Practicum: PR: C.I., RTV Major, and either RTV 3210C or RTV 3220C, or RTV 3260C. Students will serve in some position of responsibility in UCF Weekly News or other RTV program. Graded S/U. May be repeated for credit. Occasional.

RTV 4206C COS-COMM 3(2,1)
Television Directing: PR: RTV 3228C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV facility outside of class. Fall, Even Spring. M&S fee: $30.00

RTV 4211C COS-COMM 3(2,1)
Audio Production II: PR: RTV 3210C and RTV Major - Production Specialization. Creating the sound design and multiple track recording in the analog and digital domain. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $35.00

RTV 4271C COS-COMM 3(2,1)
Radio Production and Programming: PR: RTV 3200 and RTV Major - Production or Broadcast Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Odd Fall.

RTV 4280C COS-COMM 3(2,1)
Webcasting: PR: RTV Major and PR or CR: RTV 3280C. Presentation of broadcast material on the web. Integrates the distribution of radio, television and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00

RTV 4281C COS-COMM 3(2,1)
Broadcasting I: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee: $15.00

RTV 4320C COS-COMM 4(1,3)
Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newsgathering and production of major language stories conducted under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee: $15.00

RTV 4322C COS-COMM 3(2,1)
Advanced TV News: PR: RTV 4320C, RTV Majors only and C.I. Supervised broadcast news experience and/or practice in the weekly UCF news program. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4403 COS-COMM 3(3.0)
Electronic Media, Technology, and Society: PR or CR: RTV 3007. Theories of mass communication, mass communication effects, and emerging communication technologies, including digital media. Fall, Spring.

RTV 4503 COS-COMM 3(3.0)
Sports Programming on Broadcast and Digital Media: PR: RTV Major. Students will learn about key production, directing, and broadcasting tools that determine how sporting events are constructed for programming on broadcast stations and cable systems. Occasional.

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. Fall, Spring.

RTV 4700 COS-COMM 3(3.0)
Regulation of Broadcasting: PR: RTV Majors only, RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-COMM 3(3.0)
Broadcast Management: PR: RTV Majors only, RTV 4700. Examination of broadcast management problems in stations operating at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization I: PR: RUS 1120 or FIL 1003. For those who have no previous experience in this language. Fall.

RUS 1121 CAH-LANG 4(4,1)
Elementary Russian Language and Civilization II: PR: RUS 1120 or equivalent. Continuation of RUS 1120. Occasional.

RUS 2200 CAH-LANG 3(3,1)
Intermediate Russian Language and Civilization I: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall.

RUS 2201 CAH-LANG 3(3,1)
Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3.0)
Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3240 CAH-LANG 3(3,0)
Russian Conversation: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.
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**UF Courses and Descriptions**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>RUS 2201</td>
<td>Oral Communication: PR: RUS 2302 or equivalent. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.</td>
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<tr>
<td>SCC 3311</td>
<td>Security Administration: Discussion of modern security intervention and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.</td>
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<tr>
<td>SCC 3314</td>
<td>Physical Security: PR: C.J. major or minor C.J./CCJ 3204. Concepts and procedures for the development, implementation, and management of a physical security program and its application to assets protection. Occasional.</td>
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<tr>
<td>SCC 3316</td>
<td>Special Security Problems: Review and application of basic security principles to retail security, transportation, cargo security, utility security, computer security, and other special security situations. Occasional.</td>
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<tr>
<td>SGE 3310</td>
<td>Teaching Science in Elementary School: PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&amp;S fee: $10.00</td>
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<tr>
<td>SGE 3304</td>
<td>Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall, Spring.</td>
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<tr>
<td>SGE 4361</td>
<td>Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.</td>
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<tr>
<td>SGE 5325</td>
<td>Teaching Middle School Science: PR: EDG 6238 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary teaming, technology use, ESOL, and inquiry in science. Occasional.</td>
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<td>SGE 5337</td>
<td>Issues and Methods in Secondary School Science: PR: EDG 4256 or C.I. Secondary science education special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.</td>
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<td>SGE 5836</td>
<td>Space Science for Educators: PR: Senior standing or C.I. Introduction to space science, man-made space flight, and space education curriculum. Occasional.</td>
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<td>SLS 1501</td>
<td>Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.</td>
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<td>SLS 2261C</td>
<td>Student Organization Leadership: Application of leadership and organizational development paradigms, theories, and approaches for emerging and established student leaders. Occasional.</td>
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<td>SLS 2311C</td>
<td>Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.</td>
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SOW 4673 HPA-SOWK 3(3,0) Social Work Practice: The Gay and Lesbian Experience: PR: SOW 3104 or C.I. Sexual orientation and cultural diversity, policies and resources affecting gay & lesbian people, community based therapeutic and preventive interventions with gay & lesbian clients. Even Spring.

SOW 4705 HPA-SOWK 3(3,0) Prevention and Treatment of Adolescent Substance Abuse: An in-depth review of prevention, intervention, and treatment, recovery and relapse issues and public policies regarding adolescents with substance abuse problems. Even Fall, Spring.

SOW 4706 HPA-SOWK 3(3,0) Intervention with Substance Abusers: PR: Junior standing. Strategies for working with persons who abuse alcohol, other drugs and substances. Fall, Even Spring.

SOW 4730 HPA-SOWK 3(3,0) Documentation in Social Work Practice: PR: SOW 30 and SOW 3532. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754 HPA-SOWK 3(3,0) Forensic Social Work Theory and Practice: PR: SOW 3035 or C.I. The role of social workers within the courts and criminal justice system. Occasional.

SOW 5105 HPA-SOWK 3(3,0) Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106 HPA-SOWK 3(3,0) Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132 HPA-SOWK 3(3,0) Diverse Client Populations: Study of client heterogeneity, focusing on the needs, resources, problems, and service issues of several identified minority client populations. Spring.

SOW 5235 HPA-SOWK 3(3,0) Social Welfare Policies and Services: Study of societal responses to human needs, forces shaping social welfare systems, introduction to 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, roles and skills, the use of a generalist model of practice. Fall.

SOW 5306 HPA-SOWK 3(3,0) Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355 HPA-SOWK 3(3,0) Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.

SOW 5387 HPA-SOWK 3(3,0) Nonprofit Resource Development: PR: Admission to certificate program or C.I. Resource Development in nonprofit organizations, including board development and leadership, volunteer program development, staff development, grant funding, fundraising, marketing, and government contract development and management. Occasional.

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 5432 HPA-SOWK 3(3,0) Evaluating Social Work: Study of single case designs in social work; recording methods; behavioral and standardized measures; applications to individuals, families, groups, programs, communities. Occasional.

SOW 5532 HPA-SOWK 2(2,0) Generalist Field Education I: PR: Admission to MSW program. Supervised practice of social work in an agency for 224 clock hours. Graded S/U. Fall, Even Spring.

SOW 5533 HPA-SOWK 2(2,0) Generalist Field Education II: PR: MSW. Continuation of SOW 5532 Generalist Field Education I in the same field agency for 224 clock hours. Graded S/U. Odd Fall, Spring.

SOW 5534 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: SOW 5532. Seminar designed to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Fall.

SOW 5538 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar I: PR: Graduate standing or C.I.; CR: SOW 5505. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5539 HPA-SOWK 3(3,0) Full-Time MSW Generalist Field Education and Seminar II: PR: SOW 5538; CR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5546 HPA-SOWK 1(1,0) Generalist Field Education Integrative Seminar II: PR: Admission to MSW program. CR: Generalist Field Education I. Continuation of generalist field education integrative seminar 1 to facilitate student integration of generalist social work practice and theory while strengthening partnerships in the community. Graded S/U. Spring.


SOW 5566 HPA-SOWK 2(2,0) Part-Time MSW Generalist Field Education and Seminar II: PR: SOW 5565; CR: SOW 5306. Field Education for part-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 140 clock hours. Graded S/U. Occasional.

SOW 5624 HPA-SOWK 3(3,0) Social Work Practice in Mexican Culture: PR: C.I. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.

SOW 5625 HPA-SOWK 3(3,0) Social Work with Women: Alternative approaches to the treatment of women in the urban setting. Occasional.

SOW 5642 HPA-SOWK 3(3,0) Aging In Social Situations: PR: Admission to MSW program or Gerontology certificate program or C.I. Knowledge about elderly in social situations or environmental context. Occasional.


SOW 5662 HPA-SOWK 3(3,0) Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.

SOW 5703 HPA-SOWK 3(3,0) Social Work for the Elderly: PR: Admission to MSW program. Supervised practice of social work with elderly in an agency for 224 clock hours. Graded S/U. Odd Fall, Spring.


SPA 3011 HPA-COM SC&D 3(3,0) Speech Science I: Production: PR: SPA 3112. CR: SPA 3471. Study of speech process, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.

SPA 3011L HPA-COM SC&D 1(0,1) Speech Production lab: PR: SPA 3112. CR: SPA 311L. Physiologic and acoustic measurement of speech production Graded S/U. Fall, Spring.

SPA 3101 HPA-COM SC&D 3(3,0) Physiological Bases of Speech and Hearing: PR: CR: SPA 3471. An introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall.


SPA 3112 HPA-COM SC&D 3(3,0) Basic Phonetics: CR: SPA 3112L. Physiologic descriptions and visual notation of standard speech patterns and regional dialects. Fall.

SPA 3112L HPA-COM SC&D 1(0,1) Basic Phonetics Lab: CR: SPA 311L. Practice in the transcription of normal and deviant speech samples. Graded S/U. Fall, Spring.

SPA 3123 HPA-COM SC&D 3(3,0) Speech Science II: Perception: PR: SPA 3112, SPA 3011. CR: SPA 3123L. How the perception of human speech differs from that of other auditory signals. Fall, Spring.


SPA 3412 HPA-COM SC&D 3(3,0) Brain Stories: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as prerequisite with PSY 3712 or C.I.). A case-study approach to communicative-cognitive disorders due to brain injury. Fall, Spring.

SPA 3471 HPA-COM SC&D 3(3,0) Communication Disorders in Literature and Media: PR: PSY 2012 or SYG 2000. Exploration of communication disorders in literature and media, emphasizing psychosocial, academic, vocational, and familial challenges as well as society’s perceptions of individuals with communication disorders. Fall, Spring.

SPA 3472 HPA-COM SC&D 3(3,0) Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social, emotional and behavioral difficulties of children with communication disorders; positive child guidance and behavioral management strategies for clinicians, parents. Summer, Fall.


SPA 4201 HPA-COM SC&D 3(3,0) Articulation And Phonological Disorders: PR: SPA 3002, SPA 3112. The etiology, assessment, and management of articulation and phonological disorders, including those associated with structural variations and neuromotor disorders. Occasional. M&L fee: $15.00
SPA 4241  HPA-COM SC&DIS 3(3,0)

SPA 4321  HPA-COM SC&DIS 3(3,0)

SPA 4400  HPA-COM SC&DIS 3(3,0)

SPA 4476  HPA-COM SC&DIS 3(3,0)
Speech Disorders Across the Lifespan: PR: SPA 3472, SPA 3201, and SPA 3122. Causes and characteristics of speech and swallowing disorders in children and adults, including those affecting articulation, phonation, resonance, fluency, and feeding and swallowing. Fall, Spring.

SPA 4478  HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Disorders: PR: LIN 3719 and linguistic diversity among individuals with communication disorders and differences. Special emphasis on African, Hispanic, Asian, and Native American. Fall, Spring.

SPA 4501L  HPA-COM SC&DIS 3(3,0)
Undergraduate Clinical Practicum: PR: SPA 4400 or SPA 4477 and junior or senior standing. Supervised clinical practicum for select undergraduate students in the management of language or articulation disorders. Fall, Spring. M/L: fee: $45.00.

SPA 4555  HPA-COM SC&DIS 3(3,0)
Counseling in Communication Disorders: PR: SPA 4550 or C.I. Practical interviewing and counseling in the areas of communication disorders. Spring.

SPA 4580  HPA-COM SC&DIS 3(3,0)
Augmentative and Alternative Communication Systems: PR: LIN 3171 or C.I. The total integrated network of assistive devices, strategies, and skills individuals use to supplement or replace inadequate natural speaking ability. Occasional.

SPA 4634  HPA-COM SC&DIS 3(3,0)
Educational Implications of Deafness: PR: ASL 2510. Impact of deafness on the educational process. The impact of deafness on the individual, their family, and the classroom will be discussed. Occasional.

SPA 4803  HPA-COM SC&DIS 3(3,0)
Research Methods in Communication Sciences and Disorders: PR: STA 2014C or STA 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: PR or CR: All required CUSD courses. Integration of essential topics in communication sciences and disorders through curriculum content reviews and community experiences. Fall, Spring.

SPA 4948  HPA-COM SC&DIS 3(3,0)
Community Internship: PR: SPA 4400 or SPA 4477 and senior standing. Supervised interaction and planned activities with individuals experiencing communication disorders in community settings, including Head Start, public schools, clinics, skilled nursing and assisted living facilities. Fall, Spring.

SPA 5473  HPA-COM SC&DIS 3(3,0)
Multicultural Aspects of Communication Differences and Disorders: PR: Junior or senior standing. Introduction to cultural and linguistic diversity among individuals with communication differences and disorders. Special emphasis on Hispanic, Asian, and Native American cultures. Occasional.

SPA 5554  HPA-COM SC&DIS 3(3,0)
Counseling in Communicative Disorders: PR: Senior status or C.I. Interviewing and counseling for individuals with communicative disorders and their families. Spring.

SPA 5564  HPA-COM SC&DIS 3(3,0)
Aging and Communication: PR: Senior status or C.I. Study of the changes in communication with normal aging, focusing on assessment and interventions of the elderly and individual with communication disorders. Occasional.

SPB 3003  BA-BUS 3(3,0)
Introduction to Sport Business Management: PR: Admission to a business major. The sport industry and the principles and applications of sport business management in professional, collegiate, and Olympic sport. Occasional.

SPB 3503  BA-BUS 3(3,0)

SPB 3603  BA-BUS 3(3,0)

SPB 3823  BA-BUS 3(3,0)

SPC 4104  BA-BUS 3(3,0)
Intercollegiate Sport Industry: PR: SPC 3003. The structure, evolution and governance of intercollegiate sport management and a framework for sound business decision management. Occasional.

SPB 4204  BA-BUS 3(3,0)
Professional Sport Industry: PR: SPC 3003. The structure, evolution and governance of professional sport management and a framework for sound business decision making. Occasional.

SPC 4304  BA-BUS 3(3,0)

SPC 4400  BA-BUS 3(3,0)

SPC 4704  BA-BUS 3(3,0)
Sport Business Strategy: PR: SPC 3003. The skills and knowledge applicable to the process of building and sustaining excellent sport organizations. Occasional.

SPC 4804  BA-BUS 3(3,0)

SPC 1603  COS-COMM 3(3,0)
Fundamentals of Technical Presentations: PR: Priority will be given to students whose major requires this course. Communication theory and its application to preparing and delivering technical information in public speaking situations. Fall, Spring.

SPC 1603H  COS-COMM 3(3,0)

SPC 1608  COS-COMM 3(3,0)

SPC 1608H  COS-COMM 3(3,0)

SPC 3301  COS-COMM 3(3,0)
Interpersonal Communication: PR: PR or CR: COM 3311 or C.I. Theoretical framework for understanding human communications, form, interaction, and decision-making. Fall, Spring.

SPC 3425C  COS-COMM 3(2,1)
Communication, Interaction, and Decision-Making: PR: PR or CR: COM 3311 or C.I. A study of small group processes. Attention is given to problem solving, leadership emergence, conformity behavior, and group member role responsibilities. Odd Fall, Spring.

SPC 3445  COS-COMM 3(3,0)
Leadership Through Oral Communication: PR: PR or CR: COM 3120 and COM 3311 or C.I. Investigation of leadership in oral communication situations, principles of effective leadership, and leadership in problem solving. Fall.

SPC 3513  COS-COMM 3(1,2)

SPC 3602  COS-COMM 3(1,2)

SPC 4331  COS-COMM 3(3,0)
Nonverbal Communication: PR: PR or CR: COM 3311, or C.I. Review of current behavioral research in such areas as proxemics, kinesics, physiognomy, facial expression, kinesics, and paralanguage. Lectures are supplemented by frequent nonverbal exercises. Fall, Spring.

SPC 4426  COS-COMM 3(3,0)
Group Dynamics: PR: PR or CR: COM 3311, or C.I. Human behavior in group situations. Fall, Even Spring.

SPC 4540  COS-COMM 3(3,0)
Attitudes and Communication: PR: PR or CR: COM 3311, or C.I. A survey of the immediate and direct ways in which persuasive communications and social groups come to influence attitudes. Fall, Spring.

SPM 3130  ED-CFCS 3(3,0)
Aquatic Management: PR: Admission to B.S. in Sports and Fitness program or C.I. Requirements to develop and operating aquatics programs safely and effectively. Fall, Spring.

SPM 3204  ED-CFCS 3(3,0)
Sports and Ethics: PR: Junior standing or C.I. An exploration into ethics and its influence on sports. Fall, Spring.

SPM 3415  ED-CFCS 3(3,0)
Public Relations in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Examining the role of public relations and media with specific application to sport and fitness professionals. Fall.

SPM 3504  ED-CFCS 3(3,0)
Fiscal and Facilities: Issues in Sport and Fitness: PR: Admission to Sport and Fitness program or C.I. Examining the role of public relations and media with specific application to sport and fitness professionals. Fall.
SPM 4723 ED-CFCS 3(3,0)
Legal Issues in Sport and Fitness: PR: Admission to Sport and Fitness Program or C.J. Examination of the legal issues and problems encountered by sport and fitness professionals. Fall, Spring.

SPM 5155 ED-CFCS 3(3,0)
Introduction to Sports Administration: PR: C.J. This course will provide an overview of the sports industry. Fundamental business administration and research theories as well as information on current issues are emphasized. Occasional.

SPM 5308 ED-CFCS 3(3,0)
Marketing and Promoting Sports and Fitness Programs: PR: C.J. 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.J. Examination of 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.

SPN 1120C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization I: PR: SPN 1120C or equivalent. Introduces the student to Spanish through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

SPN 1120H CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization I: PR: Permission of Honors. Introduces the student to Spanish culture through the major language skills: listening, speaking, reading, and writing. Open only to students with no experience in this language. Honors-level content. Occasional.

SPN 1121C CAH-LANG 4(3,1)
Elementary Spanish Language and Civilization II: PR: SPN 1120C or equivalent. Continuation of SPN 1120C. Fall, Spring.

SPN 1121H CAH-LANG 4(4,1)
Honors Elementary Spanish Language and Civilization II: PR: Permission of Honors and SPN 1120H or equivalent. Same as SPN 1121H with honors-level content. Occasional.

SPN 1150C CAH-LANG 8(4,4)
Intensive Beginning Spanish: Combines SPN 1120C and SPN 1121C in an intensive one-semester unit. Emphasis on speaking, listening, reading, and writing Spanish. For students with little or no background in the language. Occasional.

SPN 1170 CAH-LANG 8(16,10)
Elementary Spanish Study Abroad: Elementary Spanish language and civilization taught in the native environment. Occasional.

SPN 2200 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization I: PR: SPN 1121C or equivalent. Development of language skills and cultural knowledge at the intermediate level. Fall, Spring.

SPN 2200H CAH-LANG 3(3,1)
Honors Intermediate Spanish: PR: SPN 1121C or SPN 1121H and Consent of Honors. Development of language skills and cultural knowledge at the intermediate level. With Honors content. Fall.

SPN 2201 CAH-LANG 3(3,1)
Intermediate Spanish Language and Civilization II: PR: SPN 2200 or equivalent. Continuation of SPN 2200, with emphasis on Spanish civilization. Occasional.

SPN 2240 CAH-LANG 3(3,1)
Intensive Spanish Conversation: PR: One year of Spanish or equivalent. Practical use of the language, leading toward fluency and correctness in speaking at the intermediate level. Occasional.

SPN 2241 CAH-LANG 3(3,0)

SPN 2340 CAH-LANG 3(3,0)
Spanish for Native Speakers: PR: Must be a native speaker. Intensive Spanish for native speakers who have had little or no formal training in the language. Occasional.

SPN 2341 CAH-LANG 3(3,0)
Advanced Spanish for Native Speakers: PR: SPN 2340 or C.I. This course is the continuation of SPN 2340 geared towards native speakers and will complete the remaining grammatical topics as well as emphasize composition skills. Occasional.

SPN 2511 CAH-LANG 3(3,0)
Modern Spanish Civilization Abroad: PR: SPN 1120C or equivalent.Continuation of modern Spanish culture using examples from present day society. Cultural visits and realia are essential components of this course. Occasional.

SPN 3140 CAH-LANG 3(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.

SPN 3141 CAH-LANG 3(3,0)

SPN 3142 CAH-LANG 3(3,0)
Business Spanish III: PR: C.I. Continuation of Business Spanish II. Even Fall.

SPN 3234 CAH-LANG 3(3,0)
Advanced Directed Readings: PR: SPN 2200 or C.I. Use of Spanish literary and Spanish texts in general, to develop reading comprehension and analysis skills for non-native speakers. Fall, Spring.

SPN 3300 CAH-LANG 3(3,0)
Advanced Spanish Grammar and Composition: PR: SPN 2201 or equivalent. Advanced Spanish grammatical topics, idiomatic expressions, and continued development of writing skills based on the newly acquired concepts. Fall, Spring.

SPN 3343 CAH-LANG 3(3,0)
Advanced Rhetoric for Native Speakers: PR: Third year level oral proficiency. Systematic study of Spanish grammatical topics, idiom, and composition. Odd Fall.

SPN 3344 CAH-LANG 3(3,0)
Advanced Spanish Native Fluency I: PR: SPN 3300 or C.I. Advanced grammatical topics and composition skills for native or near-native fluency speakers. Fall.

SPN 3345 CAH-LANG 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.

SPN 3402 CAH-LANG 3(3,0)
Practice in Modern Spanish Grammar: PR: SPN 2241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

SPN 3420 CAH-LANG 3(3,0)
Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

SPN 3512 CAH-LANG 3(3,0)
Contemporary Spanish Culture Abroad: PR: SPN 2241 or equivalent. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

SPN 3760 CAH-LANG 3(3,0)
Advanced Spanish Oral Communication: PR: SPN 2201 or equivalent. Vocabular building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.

SPN 3850 CAH-LANG 3(3,0)

SPN 3852 CAH-LANG 3(3,0)

SPN 3933 CAH-LANG 1(1,0)
Spanish Across the Curriculum: PR: SPN 2201 or C.I. CR: concurrent enrollment in a designated course. Improvement of skills in Spanish within the student’s major or minor. Open to students in all colleges. May be repeated for credit. Fall, Spring.

SPN 4143 CAH-LANG 3(3,0)

SPN 4410 CAH-LANG 3(3,0)
Advanced Spanish Conversation: PR: SPN 3760, SPN 3420, and SPN 3300 or C.I. Advanced conversation on directed topics from various disciplines: literature, art, ethnology, philosophy, music, business, and the sciences. Fall.

SPN 4421 CAH-LANG 3(3,0)
Advanced Spanish Composition: PR: SPN 3300, SPN 3420, SPN 3760 or C.I. Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Even Spring.

SPN 4510 CAH-LANG 3(3,0)
Spanish Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300 or C.I. Study of Spanish civilization and culture from Pre-Roman times to the present. Conducted in Spanish. Occasional.

SPN 4520 CAH-LANG 3(3,0)
Latin American Civilization and Culture: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of Latin American civilization and culture 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 Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structure as well as the capacity for recognizing the differences between semanatics, 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.
STA 3032 **ECS-IEMS** 3(3,0)

STA 3022 **ECS-IEMS** 3(3,0)
Honors Probability and Statistics for Engineers: PR: MAC 2312 and honors standing. Fundamental probability and statistics principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.

STA 3006 **COS-STAT** 3(3,0)

STA 4102 **COS-STAT** 3(3,0)
Computer Processing of Statistical Data: PR: STA 4163 and knowledge of a programming language. Use of packages such as SAS, BMD, SPS3 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 4133 (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 I: 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 II: PR: STA 4163. A continuation of STA 4163, including further study of regression, analysis of variance and covariance and multiple comparisons. Fall, Spring.

STA 4173 **COS-STAT** 3(3,0)

STA 4183 **COS-STAT** 3(3,0)
Theory of Interest: PR: MAC 2312 (or equivalent) and STA 2023. Measurement of simple and compound interests, accumulated and present values factors. Annuities certain, yield rates, amortization schedules and sinking funds. Bonds, securities and related funds. Fall.

STA 4184 **COS-STAT** 3(3,0)
Introduction to Derivative Markets: PR: STA 4183 or C.I. Cash flow and profit for simple options and forwards, hedging strategies, Black-Scholes option pricing, simple swaps, portfolio management with derivatives, duration and convexity, call and put spreads. Fall, Spring.

STA 4186 **COS-STAT** 3(3,0)

STA 4187 **COS-STAT** 3(3,0)

STA 4222 **COS-STAT** 3(3,0)

STA 4321 **COS-STAT** 3(3,0)
Statistical Theory I: PR: STA 2023 or STA 3032; CR: MAC 2313. Probability axioms, discrete and continuous sample spaces, conditional probability, independence, one-dimensional random variables, moment generating functions, transformations, jointly distributed random variables. Fall.

STA 4322 **COS-STAT** 3(3,0)

STA 4502 **COS-STAT** 3(3,0)
Nonparametric Statistical Methods: PR: STA 2023 or STA 3032. Distribution-free tests on location and dispersion, goodness of fit tests, tests of independence, measures of association, nonparametric analysis of variance. Occasional.

STA 4504 **COS-STAT** 3(3,0)

STA 4641 **COS-STAT** 3(3,0)

STA 4664 **COS-STAT** 3(3,0)

STA 4672 **COS-STAT** 3(3,0)

STA 4675 **COS-STAT** 3(3,0)

STA 4676 **COS-STAT** 3(3,0)

STA 4852 **COS-STAT** 3(3,0)

STA 4939 **COS-STAT** 3(3,0)
Problems in Actuarial Science: PR: STA 4322. Fundamental mathematical and statistical tools for quantitatively assessing risk; application of these tools to problems in actuarial science. May be repeated for credit. Occasional.

STA 4942 **COS-STAT** 3(3,0)
Practicum in Actuarial Science: PR: STA 4183 or STA 6185. Discussion and presentation by actuarial practitioners. Occasional.

STA 5085 **COS-STAT** 3(3,0)

STA 5103 **COS-STAT** 3(3,0)
Advanced Computer Processing of Statistical Data: PR: STA 4183 or C.I. Knowledge of a programming language, graduate status or senior standing, or C.I. Use of SAS and other statistical software packages; data manipulation, graphical data presentation; data analysis; creating analytical reports. Fall.

STA 5139 **COS-STAT** 3(3,0)
Introduction to Time Series and Long-Range Distributions: PR: STA 4122, graduate status or senior standing, or C.I. Full and partial credibility. The credibility premium. Exact computing and loss distribution estimation; credibility: Loss models for claim severities and frequencies. Aggregate claims models. Fall.

STA 5175 **COS-STAT** 3(3,0)
Biometry: PR: STA 2023, graduate status or senior standing, or C.I. Design and analysis of experiments with emphasis on biologically/ecological application; one-way and multi-way ANOVA; regression; ordination; classification. Spring.

STA 5176 **COS-STAT** 3(3,0)
Introduction to Biostatistics: PR: STA 4163 or STA 4173, graduate status or senior standing, or C.I. Fixed-effects models, random-effects models, repeated measures design, logistic regression, survival analysis, Kaplan-Meier estimates, proportional hazards model. Occasional.

STA 5205 **COS-STAT** 3(3,0)
Experimental Design: PR: STA 4164, STA 5206 or STA 5219, and graduate status or senior standing, or C.I. Construction and analysis of designs for experimental investigations. Blocking, randomization, replication; incomplete block designs; factorial and fractional designs; design resolution. Spring.

STA 5206 **COS-STAT** 3(3,0)
Statistical Analysis: PR: STA 2023; not open to students who have completed STA 4164. Graduate status or senior standing or C.I. Data analysis; statistical models; estimation; tests or hypotheses; analysis of variance, covariance, and multiple comparisons; regression and nonparametric methods. Fall.

STA 5505 **COS-STAT** 3(3,0)
Categorical Data Methods: PR: STA 4163 or STA 5506, and graduate status or senior standing or C.I. Logistic regression, loglinear models, association analysis, measures of association, and advanced methods, including loglinear modeling, logistic regression, McNemar’s Test, Mantel-Haenszel test. Occasional.

STA 5646 **COS-STAT** 3(3,0)
Casualty Insurance: PR: STA 4322 and STA 4641, graduate status or senior standing or C.I. Casualty insurance, insurance models and collective risk models for short terms and for extended periods, applications of risk theory to actuarial problems. Risk factors and their financial effects. Occasional.

STA 5702 **COS-STAT** 3(3,0)
Data Mining Methodology I: PR: STA 5103 and STA 5206, graduate status or senior standing, or C.I. Data mining to uncover valuable information through SEMMA (Sample, Explore, Model, Modify, and Access). Process with neural network and decision tree. Fall.

STA 5825 **COS-STAT** 3(3,0)

STA 5948 **COS-STAT** 3(3,0)
Actuarial Science Practicum: PR: STA 4183 or STA 6185. Study and projects on problems in actual practice; discussions and presentations by practitioners from life insurance, casualty, etc. Occasional.
SYP 3410 COS-SOC 3(3,0) Patterns of Mental Health in Society: PR: SYG 2000 or C.I. Sociological examination of mental illness as a social problem; legal aspects of mental illness, and the mental health professions. Occasional.

SYP 3530 COS-SOC 3(3,0) Social Power and Inequality: PR: SYG 2000 or C.I. Study of class, status and power, cultural variations in social systems; patterns of mobility and change. Occasional.

SYP 4100 COS-SOC 3(3,0) Family Trends: PR: SYG 2000 or SYG 2010 or C.I. Intimate relationships, practices, trends and issues affecting today's marriages and families. Fall, Spring.

SYP 4200 COS-SOC 3(3,0) Religion in Society: PR: SYG 2000 or C.I. The relationship between the religious institution and social stratification, family, education, as well as issues pertaining to gender, race, ethnicity, and age. Occasional.

SYP 4250 COS-SOC 3(3,0) Education and Social Achievement: PR: SYG 2000 or C.I. This course examines the sociological dimensions of the educational institutions, including the impact of the social structure on learning and the role of education in social change. Occasional.

SYP 4300 COS-SOC 3(3,0) Political Sociology: Sociological analysis of political and political groups, socioeconomic variable of voting behavior, power elites, societies and systems of government. Occasional.

SYP 4323 COS-SOC 3(3,0) Community and Diversion: PR: SYG 2000 and junior standing. The formation of social systems in response to social problems and the implementation of public policy. Emphasis on diverse perspectives and ethical positions and their effect on the form and effectiveness of social systems. Occasional.

SYP 4400 COS-SOC 3(3,0) Medical Sociology: Analysis of patient beliefs and behavior, health practitioners, the social organization of hospitals and health services, contemporary problems in the delivery of health care. Occasional.

SYP 3300 COS-SOC 3(3,0) Fads, Crowds, and Social Action: PR: SYG 2000 or C.I. Analysis of relatively unstructured social situations such as mobs, crowds, etc. as well as more structured forms of collective behavior such as social movements. Occasional.

SYP 3400 COS-SOC 3(3,0) Social Change: PR: SYG 2000 or SYG 2010 or C.I. Concept and essential sources of social development and change. Occasional.

SYP 3510 COS-SOC 3(3,0) Sociology of Deviant Behavior: PR: SYG 2000 or SYG 2010 or C.I. Sociological examination of the types of, and societal reactions to, deviant behavior with special emphasis on stigmatization. Spring.

SYP 3511 COS-SOC 3(3,0) Sociology of Murder: PR: SYG 2000 or SYG 2010 or C.I. An analytical study of murder in the U.S.; topics include different types of homicides, offenders, victims, and circumstances. Fall.

SYP 3520 COS-SOC 3(3,0) Criminology: PR: SYG 2000 or SYG 2010 or C.I. Chief causes of anti-social behavior and current methods of prevention and reform. Effects of heredity and environment, prevalence of delinquency and crime, penal institutions. Fall, Spring.

SYP 3530 COS-SOC 3(3,0) Juvenile Delinquency: Types of delinquency behavior among juveniles; possible causes and ways society attempts to treat the various forms of delinquency. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<th>Notes</th>
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<tr>
<td>THE 2304</td>
<td>CAH-THEA 3(3,0) Script Analysis: PR: Theatre major or minor. Exploratory dramatic form with focus on playwrights for productions. Fall, Spring.</td>
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<tr>
<td>TPA 2010C</td>
<td>CAH-THEA 3(2,2) Scenography: PR: &quot;C&quot; (2.0) or better in TPA 2000C and BFA Design and Technology or Stage Management major. Introduction to design for the stage, including scenery, lighting, costumes, and sound. Occasional.</td>
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<td>THE 3311</td>
<td>CAH-THEA 3(0,VAR) Theatre History and Dramatic Literature II: PR: Theatre major or minor, &quot;C&quot; (2.0) or better in THE 2304 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall.</td>
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<td>THE 3312</td>
<td>CAH-THEA 3(0,VAR) Theatre History and Dramatic Literature: PR: Theatre major or minor, &quot;C&quot; (2.0) or better in THE 3311 and Sophomore standing. Theatre history and drama from the Greeks to the Renaissance. Fall.</td>
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<td>THE 3333</td>
<td>CAH-THEA 3(0,VAR) Shakespeare Skills: PR: Grade of C (2.0) or better in THE 2020 or THE 2000. Study of Shakespeare's heightened language, scansion, and text from a theatrical point of view. Course not intended for BFA Theatre Acting Majors. Occasional.</td>
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<td>THE 3383</td>
<td>CAH-THEA 3(0,VAR) Taboo Theatre: Sex &amp; Violence on Stage: PR: ENC 1102. Dramatic literature with taboo topics and their impact on the storytelling and entertainments of today. Occasional.</td>
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<td>THE 4093L</td>
<td>CAH-THEA 1(0,VAR) Theatre Participation-Management II: PR: Theatre major or minor, &quot;C&quot; (2.0) or better in THE 2000L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall, Spring.</td>
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<tr>
<td>THE 4212</td>
<td>CAH-THEA 3(0,VAR) Global Theatre: PR: Grade of C (2.0) or better required in ENC 1101 or ANT 2000. Theatrical arts and traditions of various countries with an emphasis on non-western cultures. Occasional.</td>
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<td>THE 4224</td>
<td>CAH-THEA 3(0,VAR) Musical Theatre History I: PR: B.F.A. Musical Theatre major, C (2.0) or better required in THE 2200 or THE 2000. Origins and evolution of Musical Theatre from the Ancient Greeks through the 1950s. Fall.</td>
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<td>THE 4245</td>
<td>CAH-THEA 3(0,VAR) Musical Theatre History II: PR: B.F.A Musical Theatre major, C (2.0) or better required in THE 2200. Origins and evolution of Musical Theatre from the 1950s through the present. Spring.</td>
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</tbody>
</table>
UCF Courses and Descriptions
TPA 3077C
CAH-THEA
3(2,2)
Scene Painting: PR: “C” (2.0) or better in TPA 2000C
and TPA 2071C. Projects in scene painting techniques. Fall.
M&S fee: $45.00
TPA 3195L
CAH-THEA
3(0,VAR)
Summer Theatre Studio/Tech/Design I: PR:
Departmental consent by audition or interview. Study, analysis and execution of technical/design aspects for playscripts
produced on UCF mainstage. May be repeated for credit.
Occasional. M&S fee: $20.00
TPA 3197L
CAH-THEA
3(0,VAR)
Summer Theatre Studio/Tech/Design II: PR:
Departmental consent by audition or interview. Continuation
of TPA 3195L. May be repeated for credit. Occasional.
M&S fee: $20.00
TPA 3221C
CAH-THEA
3(2,2)
Lighting Design for Theatre I: PR: “C” (2.0) or
better in TPA 2010C and TPA 2220C. Projects in the
fundamentals of lighting design for the stage. Spring. M&S
fee: $37.00
TPA 3249C
CAH-THEA
2(2,2)
Advanced Makeup Techniques: PR: “C” (2.0) or
better in TPA 2248C. Lecture/laboratory study of basic techniques needed for the creation of stage and film prosthetics
and masks. Occasional. M&S fee: $45.00
TPA 3260C
CAH-THEA
3(2,2)
Sound Design for Theatre I: PR: “C” (2.0) or better
in TPA 2010C and TPA 2220C. 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
2600. Responsibilities of the stage manager prior to, during,
and after performance as related to Departmental productions as well as professional union requirements. Fall.
TPA 4041C
CAH-THEA
3(2,2)
Costume Design for Theatre II: PR: “C” (2.0) or
better in TPA 3040C. A continuation of TPA 3040C. Spring.
TPA 4061C
CAH-THEA
3(2,2)
Scenic Design for Theatre II: PR: “C” (2.0) or better
in TPA 3060C. Project scene design work with an emphasis
on design visualization, communication and professional
standards and practices. Spring. M&S fee: $37.00
TPA 4066C
CAH-THEA
2(2,2)
Advanced Scenography: PR: TPA 3060C, TPA
3040C, TPA 3260C, or TPA 3221C. Project based work in
student’s area of concentration. May be used in the degree
program a maximum of 4 times only when course content is
different. Occasional.
TPA 4224C
CAH-THEA
3(2,2)
Lighting Design for Theatre II: PR: “C” (2.0) or
better in TPA 3221C. Project lighting design work with
an emphasis on visualization of design concepts, professional graphics, and paperwork standards and practices.
Occasional. M&S fee: $37.00
TPA 4250C
CAH-THEA
2(2,2)
CADD for Theatre: PR: “C” (2.0) or better in TPA 2211
and TPA 2211L. Computer-aided drafting and design and its
application for Theatre. Fall. M&S fee: $23.00
TPA 4251C
CAH-THEA
2(2,2)
Advanced CADD for Theatre: PR: “C” (2.0) or
better in TPA 4250C. Advanced computer-aided drafting
and design and its application for Theatre. Spring. M&S
fee: $38.75
TPA 4264C
CAH-THEA
3(2,2)
Sound Design for Theatre II: PR: “C” (2.0) or better
in TPA 3260C. Project sound design work with an emphasis
on design communication and professional standards and
practices. Occasional.

TPA 4293L
CAH-THEA
1(0,VAR)
Theatre Participation-Production II: PR: “C”
(2.0) or better in TPA 2290L. Participation in UCF Theatre
Productions. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee: $15.00
TPA 4384C
CAH-THEA
3(3,4)
Advanced Topics in Technical Theatre: PR:
C (2.0) in TPA 2210 and TPA 2211. Variable topics which
may include Technical Direction or other advanced topics.
May be used in the degree program a maximum of 4 times.
Occasional. M&S fee: $35.00
TPA 4400
CAH-THEA
3(3,0)
Theatre Management: PR: “C” (2.0) or better in
THE 2000 or THE 2020. Restricted to theatre majors or
Departmental consent. Study of the development, organization, management, funding, and promotion of theatre
programs. Additional emphasis placed on management
theory and style. Fall.
TPA 4401C
CAH-THEA
3(2,2)
Theatre Careers in Production: PR: B.F.A. Design/
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.
TPA 5062C
CAH-THEA
3(2,2)
Scene Design Studio: PR: Graduate status or C.I.
Advanced work in the conceptualization and communication
of scenic designs for the theatre. Spring.
TPA 5081C
CAH-THEA
3(3,3)
Design Concepts for Youth Theatre: PR:
Admission to the graduate program in Theatre or C.I. A
study of design elements (lighting, costume, set) as they
apply to youth theatre. Odd Spring.
TPA 5085C
CAH-THEA
2(2,2)
Design Seminar for Theatre: PR: Admission into
Theatre MFA Design track. Scenic, costume, lighting and
sound design for theatre. Occasional.
TPA 5095C
CAH-THEA
1(1,1)
Rendering for Theatre I: PR: Admission to the
graduate program in Theatre or C.I. Traditional visual
communication skills necessary for scenic, costume, and
lighting design. Fall.
TPA 5175C
CAH-THEA
1(1,1)
Rendering for Theatre II: PR: TPA 5095C. Software
and technology available for visual communication and
documentation. Spring.
TPA 5345C
CAH-THEA
2(2,2)
2D Computer Assisted Design for Theatre:
PR: Admission into the Theatre MFA Design track. TwoDimensional computer drafting and editing techniques
applicable to theatre design. Occasional.
TPA 5346C
CAH-THEA
2(2,2)
3D Modeling for Theatre: PR: TPA 5345C. Threedimensional computer modeling and editing techniques
applicable for theatre design. Occasional.
TPA 5405
CAH-THEA
3(3,0)
Theatre Management for Non-Majors: PR: THE
2020 or THE 2000, graduate status, or C.I. Study of university, community and professional theatre management with
special attention to the principles of management to include
management skills/function and organizational systems/
performance as they relate to theatre organizations/institutions. Fall.

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TPA 5885C
CAH-THEA
2(2,2)
Puppetry: PR: Admission to MFA graduate program or
C.I. Puppetry as an art form in design and performance.
Odd Spring. M&S fee: $30.00
TPA 5946C
CAH-THEA
1(0,20)
Design Practicum I: PR: Admission into the MFA
Design program. Practical experience as a member of the
production team as a prop master or assistant scenic, costume, lighting, or sound designer. Occasional.
TPA 5949C
CAH-THEA
1(0,20)
Design Practicum II: PR: Admission into the graduate program and TPA 5946C or C.I. Advanced work in the
practical application of Properties and/or Design for the
Theatre. Occasional.
TPP 2101
CAH-THEA
3(3,0)
Fundamentals of Acting: PR: BA Theatre Studies
major, BFA Design & Technology major, BFA Stage
Management major or Theatre minor. Development of
imagination, self-awareness and the ability to execute basic
stage tasks. Fall, Spring.
TPP 2110C
CAH-THEA
3(2,2)
Acting I - Introduction: PR: B.F.A. Theatre major,
C (2.0) or better required in THE 2020 or THE 2000.
Development of imagination, self-awareness, and the ability
to execute basic stage tasks. Fall, Spring.
TPP 2170C
CAH-THEA
3(2,2)
Acting II -The Actor Prepares: PR: “C” (2.0) or
better in TPP 2110C. Fundamental techniques to acting,
with emphasis on characterization and character development. Fall, Spring.
TPP 2185
CAH-THEA
3(3,0)
Acting for Non-majors: Introduction to the fundamentals of acting. Fall, Spring.
TPP 2190L
CAH-THEA
1(0,VAR)
Theatre Participation-Performance I: PR:
Theatre major or minor or department consent. Participation
in UCF Theatre productions. May be repeated for credit 8
times. Fall, Spring. M&S fee: $15.00
TPP 2260
CAH-FILM
3(3,0)
Acting for Film: PR: Film Majors. An introduction to
acting for the camera. Occasional.
TPP 2700C
CAH-THEA
3(2,2)
Stage Speech/Voice: PR: BA Theatre major or minor
and C (2.0) or better in THE 2000 or THE 2020. Practical
stage voice as it applies to performance. Credit cannot be
applied towards BFA acting and musical theatre majors.
Fall.
TPP 2710C
CAH-THEA
2(2,1)
Voice Production I: PR: BFA acting major. Lessac,
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 3172C
CAH-THEA
3(2,2)
Acting III - Building the Character: PR: Grade
of C (2.0) or better required in TPP 2170C. Reinforcement
of acting techniques begun in Acting II, 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 3250
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 2110C.
Practical acting techniques with solo musical theatre repertoire. Fall.

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### UCF Courses and Descriptions

**TPP 3252 CAH-THEA 3(VAR)**

**Musical Theatre Acting II:** PR: B.F.A. Musical Theatre major and C (2.0) or better in TPP 3250. Practical acting technique as it applies to musical theatre scene study. Spring.

**TPP 3257C CAH-THEA 2(2,2)**

**Musical Theatre Voice I:** PR: B.F.A. Musical Theatre or BFA Acting major, and C (2.0) or better in TPP 3250. Craft designed to develop anatomy, physiology, and diction utilizing musical theatre repertory. Spring.

**TPP 3258C CAH-THEA 2(2,2)**

**Musical Theatre Voice II:** PR: B.F.A. Musical Theatre major, and C (2.0) or better in TPP 3257C. Artistry of singing including function of music and lyrics, and problems in song selection, directorial analysis, casting, composition/arrangement and musical interpretation utilizing musical theatre repertoire. Fall.

**TPP 3264C CAH-THEA 3(2,2)**

**Acting: Camera:** PR: BA Theatre Major, a C (2.0) or better in TPP 2101, TPP 3103, and THE 2020. Preparing the actor for professional work in the TV/Film industry. Occasional.

**TPP 3310C CAH-THEA 3(2,2)**

**Directing for Theatre I:** PR: Theatre majors, Junior Standing, and C (2.0) or better required in THE 3332. Principles and techniques of play direction to include script selection, directional analysis, casting, composition, production, blocking, timing, and rehearsal planning. Fall. Spring.

**TPP 3510C CAH-THEA 2(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(2,2)**

**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(2,2)**

**Voice Production I:** 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(2,2)**

**Voice Production II:** PR: C (2.0) or better in TPP 3711C. Emphasis on study of Shakespearean and heightened language. Fall.

**TPP 3952L CAH-THEA 3(0,VAR)**

**Summer Studio Performance:** PR: Audition/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 3172C. 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 3103 or TPP 4140C. 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 2100L. Participation in UCF Theatre productions. May be used in the degree program a maximum of 8 times. Fall. Spring. M&S fee: $15.00

**TPP 4221 CAH-THEA 3(2,2)**

**Auditioning:** PR: C (2.0) or better in TPP 2170C. Selecting monologues, auditioning techniques and cold readings. Spring.
TPP 5754 CAH-THEA 2(2.0) Musical Theatre Voice I: PR: Admission to MFA Musical Theatre graduate program. A study devoted to the diagnosis and development of the singing voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5935C CAH-THEA 2(2.2) Contemporary Practices in Youth Theatre: PR: Admission to MFA graduate program or C.I. Investigation of a particular subject in youth theatre. May be used in the degree program a maximum of 5 times. Odd Spring.

TSL 3346 CAH-LANG 3(3.0) English as an International Language: PR: Two semesters of college-level foreign language. Focus on English as it relates to native and non-native speakers. Topics include grammar, pronunciation, cross-cultural issues, and details about teaching English worldwide. Fall, Spring.

TSL 4080 ED-TLP 3(3.0) 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 ESOL. Fall, Spring.

TSL 4240 CAH-LANG 3(3.0) Issues in Second Language Acquisition: PR: TSL 4080, C.I. Introduction to phonology, grammar, and semantics, for future teachers. Fall, Spring.

TSL 5085 ED-TLP 3(3.0) Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG 3(3.0) ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will survey cross-cultural communication and understanding, testing and evaluation, curriculum and methods of teaching ESOL to meet the needs of limited English proficient students. Occasional.

TSL 5345 ED-TLP 3(3.0) Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LANG 3(3.0) Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 CAH-LANG 3(3.0) Computers and Technology for ESOL: PR: Graduate standing or C.I. Emphasizes research in computer assisted language learning, as well as design and evaluation of software and websites for learning English as a second language. Occasional.

TSL 5525 ED-TLP 3(3.0) ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.

TSL 5940 CAH-LANG 3(3.0) Issues in TEFL: PR: Graduate status or senior standing or C.I. Addresses issues specifically related to TEFL, such as materials adaptation, teaching in multi-level classrooms, learning styles, cultural issues, and curriculum syllabus design. Spring.

TTE 4004 ECS-CECE 4(4.0) Transportation Engineering: PR: SUR 2101C, EGN 3613 and STA 3032. Investigation of highway and transportation systems. Approach to planning, design, operation and administration of transportation networks. Fall, Spring.

TTE 4601C ECS-CECE 3(2.2) Urban Systems Design: PR: TTE 4004. Project courses on design of transportation and urban systems using engineering design methodologies. Spring. M & S fee: $15.00

TTE 5204 ECS-CECE 3(3.0) Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signals, signs, and markings. Occasional.

TTE 5700 ECS-CECE 3(3.0) Railroad Engineering: PR: TTE 4004 and C.I. Major technical factors in location, construction, maintenance, and operation of railroad transportation systems. Occasional.

TTE 5805 ECS-CECE 3(3.0) Geometric Design of Transportation Systems: PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CECE 3(3.0) Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.

VIC 300 COS-COMM 3(3.0) Visual Communication: PR: TPC 1608 or SPC 1603 or COM 1000. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

WOH 2012 CAH-HIST 3(3.0) World Civilization I: A topical approach to the study of the rise and decline of world civilizations from the first attempts to the great civilizations of medieval times. Fall, Spring.


WOH 2022 CAH-HIST 3(3.0) World Civilization II: Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Fall, Spring.

WOH 2022H CAH-HIST 3(3.0) World Civilization II - Honors: PR: Permission of Honors. Rise of modern civilization from 1500 to the present, with an emphasis on the confrontation between the Western and non-Western spheres of civilization. Honors content. Occasional.

WOH 3015 CAH-HIST 3(3.0) Introduction to Women's Studies: PR: ENC 1102 or C.I. Interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WOH 3015H CAH-WOM 3(3.0) 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.

WOH 3020 CAH-WOM 3(3.0) Girls’ Studies: PR: ENC 1102. Girls’ Studies, an emerging field within Women’s Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular contexts. Occasional.

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, leadership styles, obstacles facing women leaders, and leadership from women leaders. Occasional.

WST 3460 CAH-WOM 3(3.0) Womanist Studies: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.


WST 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 feminist thought, from the late eighteenth century to the 1980s, through texts by First and Second Wave Feminists. Occasional.

WST 3561 CAH-WOM 3(3.0) Third Wave Feminisms: PR: WST 3015. Third wave feminist theories and practices with an activist focus. Even Spring.

WST 3621 CAH-WOM 3(3.0) Theories of Masculinity: PR: ENC 1102. Masculinity from gender perspective, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 1(1.0) Researching Women and Gender: PR: WST 3015 or C.I. Introduces students to scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.


WST 4022 CAH-WOM 3(3.0) Girls and the Body: PR: ENC 1102 and WST 3020. Feminist theory and practice applied in an examination of body image as it relates to girls in contemporary society. Service learning component. Occasional.


WST 5347 CAH-WOM 3(3.0) Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WST 5601 CAH-WOM 3(3.0) Theories in Gender Studies: PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundational scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 3701C COM-M&M 3(1.4) Human Gross Anatomy & Dissection Techniques: PR: ZOO 3735C. Dissection techniques of the human body to teach students the skills required for the preparation of three dimensional materials (specimens). The primary student population should be junior/senior pre health professional applicants preparing for the basic medical sciences of professional schools. Spring. M & S fee: $45.00.
ZOO 3713C  COS-BIOL  5(3,6)
Comparative Vertebrate Anatomy: PR: BSC 2010C and BSC 2011C, or C.I. The vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Fall. M&S fee: $35.00

ZOO 3733C  COM-M&M  4(3,3)
Human Anatomy: PR: BSC 2010C or equivalent. Structure of the human body. Fall, Spring. M&S fee: $15.00

ZOO 3733H  COM-M&M  4(3,3)
Honors Human Anatomy: PR: BSC 2010C or equivalent and Consent of Honors. Basic and functional anatomy in clinically oriented way to study systems within the human body. The lab component of this honors course provides enrichment and an opportunity to view cadaver specimens. With Honors Content. Spring.

ZOO 3736C  COM-M&M  4(3,2)
Exercise Physiology Anatomy: PR: BSC 2010C, Cl. Gross anatomy for exercise physiology majors. Fall, Spring. M&S fee: $15.00

ZOO 3744  COM-M&M  3(3,0)
Neurobiology: PR: BSC 2010C. Biological principles governing the physiology of the nervous system including electrical properties, chemical signaling, cellular composition, development, injury and regeneration. Fall, Spring.

ZOO 4205C  COS-BIOL  4(3,3)

ZOO 4310C  COS-BIOL  4(2,6)
Vertebrate Evolution & Ecology: PR: BSC 2010C, BSC 2011C, PCB 3044, PCB 3063 or C.I. Vertebrate evolution and ecology, based on the paleontological and ecological literature. The laboratory places heavy emphasis on classification/identification and field work. Occasional. M&S fee: $45.00

ZOO 4480  COS-BIOL  4(4,0)

ZOO 4513  COS-BIOL  3(3,0)
Animal Behavior: PR: PCB 3044. Study of the current ideas in animal behavior, including the mechanism of behavior and evolutionary explanations. Odd Fall.
<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
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</thead>
<tbody>
<tr>
<td>ALLEN, FRANK R.</td>
<td>Associate Director for Administrative Services</td>
</tr>
<tr>
<td>ALLEN, JEFFERY W.</td>
<td>Associate Professor of Marketing</td>
</tr>
<tr>
<td></td>
<td>(1990), B.S., M.B.A., D.B.A. (University of Kentucky)</td>
</tr>
<tr>
<td>ALLEN, KAY WILLIAMSON</td>
<td>Associate Professor of Education</td>
</tr>
<tr>
<td></td>
<td>(1993), B.S., M.Ed., Ph.D. (University of South Carolina)</td>
</tr>
<tr>
<td>ALGDO, JANE</td>
<td>Graduate Coordinator and Assistant Professor of Social Work</td>
</tr>
<tr>
<td></td>
<td>(2002), B.A., M.S.W., Ph. D. (Florida State University)</td>
</tr>
<tr>
<td>ALLRED, KELLY</td>
<td>Assistant Professor, College of Nursing</td>
</tr>
<tr>
<td></td>
<td>(2007), B.S.N., M.S.N., Ph. D. (University of Central Florida)</td>
</tr>
<tr>
<td>ALMEDA, JOHN A.</td>
<td>Associate Professor of Music</td>
</tr>
<tr>
<td></td>
<td>(1997), B.M., M.A. (Appalachian State University)</td>
</tr>
<tr>
<td>ALTMAYR, DEBORAH</td>
<td>Assistant Professor</td>
</tr>
<tr>
<td></td>
<td>(2009), Ph.D. (Rutgers, the State University of New Jersey)</td>
</tr>
<tr>
<td>AMBROSE, MAUREEN L.</td>
<td>Professor of Management</td>
</tr>
<tr>
<td></td>
<td>(1999), B.A., M.A., Ph.D. (University of Illinois at Urbana-Champaign)</td>
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<tr>
<td>AMIDELI, CHRISTINA</td>
<td>Instructor, College of Nursing</td>
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<tr>
<td></td>
<td>(2008), F.A.A.N., M.S.N. (Loyola University of Chicago)</td>
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<tr>
<td>AN, LINAN</td>
<td>Associate Professor of Engineering</td>
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<tr>
<td></td>
<td>(2001), Ph.D. (Lehigh University)</td>
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<tr>
<td>ANDERSON, RANDY I.</td>
<td>Howard Phillips Eminent Scholar Chair of Real Estate and Professor of Real Estate</td>
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<tr>
<td></td>
<td>(2008), B.A., Ph.D. (University of Alabama)</td>
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<tr>
<td>ANDREASEN, JANET</td>
<td>Visiting Assistant Professor of Education</td>
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<tr>
<td></td>
<td>(2005), B.S., M.A., Ed.D. (University of Central Florida)</td>
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<tr>
<td>ANDREWS, DIANE</td>
<td>Assistant Professor, College of Nursing</td>
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<td></td>
<td>(2006), M.S.N., Ph.D. (University of Central Florida)</td>
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<tr>
<td>ANGELOPOULOS, THEODORE</td>
<td>Professor of Health Sciences and Secondary Joint Professor of Medicine</td>
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<tr>
<td></td>
<td>(1998), B.S., M.S.P., Ph.D. (University of Pittsburgh)</td>
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<tr>
<td>ANGLEY, PATRICIA</td>
<td>Instructor of English</td>
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<tr>
<td>APPLEGATE, BRANDON</td>
<td>Associate Professor of Criminal Justice</td>
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<td></td>
<td>(1996), B.S., M.S., Ph.D. (University of Cincinnati)</td>
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<tr>
<td>APPLEN, J.D.</td>
<td>Associate Professor of English</td>
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<td></td>
<td>(1997), B.S., M.F.A., Ph.D. (University of Arizona)</td>
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<td>ARK, PAMELA</td>
<td>Assistant Professor, College of Nursing</td>
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<td></td>
<td>(2004), M.S.N., Ph.D. (University of Tennessee, Memphis)</td>
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<tr>
<td>ARMACOST, ROBERT</td>
<td>Special Advisor to the Dean, College of Medicine</td>
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<td></td>
<td>(1991), D.Sc. (The George Washington University)</td>
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<tr>
<td>ARNOLD, VICKY J.</td>
<td>Chairholder, Ernst &amp; Young Professor and Professor of Accounting</td>
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<td>(2005), B.A., M.B.A., Ph.D. (University of Fayetteville)</td>
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<tr>
<td>ARONAI, KAREN</td>
<td>Professor, College of Nursing</td>
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<tr>
<td></td>
<td>(2008), F.A.A.N., B.S., M.S., Ph. (University of Washington)</td>
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<tr>
<td>ARTHUR, MICHAEL A.</td>
<td>Head, Acquisitions &amp; Collections and Assistant Librarian</td>
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<tr>
<td></td>
<td>(2008), B.S., M.L.S., M.P.A (Old Dominion University)</td>
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<tr>
<td>ASHLEY, ROBERT A.</td>
<td>Assistant Professor of Hospitality Management</td>
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<tr>
<td></td>
<td>(1984), B.S., M.S. (Florida International University, C.E.C., C.E.)</td>
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<tr>
<td>ATKINSON, TOM</td>
<td>Assistant Professor of Education</td>
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<td></td>
<td>(2006), B.M.E., M.S.E., Ph. (Louisiana State University)</td>
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<tr>
<td>AZMI, CYRUS</td>
<td>Lecturer of Psychology</td>
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<td></td>
<td>(2008), B.S., M.A., Ph.D. (Michigan State University)</td>
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<tr>
<td>BAGLEY, GEORGE M.</td>
<td>Associate Professor of Communication</td>
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<td></td>
<td>(1994), B.A., M.A. (University of Utah)</td>
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<td>BAI, HAYIAN</td>
<td>Assistant Professor of Education</td>
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<td>(2000), B.A., M.A., Ph.D. (University of Cincinnati)</td>
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<tr>
<td>BAILL, I. CORI</td>
<td>Courtesy Assistant Professor of Obstetrics &amp; Gynecology</td>
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<td>(2008), M.D.</td>
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<td>BAKER, BARRY B.</td>
<td>Director, University Libraries</td>
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<td></td>
<td>(1997), B.A., M.L.S. (Louisiana State University)</td>
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<tr>
<td>BALKWILL, DAVID</td>
<td>Professor of Microbiology</td>
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<td>(2009), Ph.D. (Pennsylvania State University)</td>
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<tr>
<td>BALLANTYNE, JOHN</td>
<td>Professor of Chemistry</td>
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<tr>
<td></td>
<td>(1998), B.S., M.S., Ph.D. (State University of New York at Stony Brook)</td>
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<tr>
<td>BALLINGER, BETHANY</td>
<td>Assistant Professor Emergency Medicine</td>
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<td>(2009), M.D. (University of London)</td>
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<tr>
<td>BARBER, SARAH</td>
<td>Assistant Professor of Anthropology</td>
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<td>(2007), Ph.D. (University of Colorado)</td>
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<td>BARFIELD, RUFUS</td>
<td>Associate Professor of Communication</td>
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<td>(1998), B.A., M.A., Ph.D. (Howard University)</td>
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<tr>
<td>BARNES, THOMAS</td>
<td>Courtesy Assistant Professor of Family Medicine</td>
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<td>(2008), M.D.</td>
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<tr>
<td>BARONE, BRIAN</td>
<td>Instructor of Italian</td>
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<td></td>
<td>(2006), B.A., (University of Notre Dame)</td>
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<tr>
<td>BARRATT, AMY</td>
<td>Externship Coordinator and Instructor of Communication Sciences and Disorders</td>
</tr>
<tr>
<td></td>
<td>(2004), B.S., M.A. (University of Central Florida)</td>
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<tr>
<td>BATSKEVICUS, JOELYN</td>
<td>Associate Professor of English</td>
</tr>
<tr>
<td>BASCO, BUENAVENTURA</td>
<td>Associate Librarian</td>
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</tbody>
</table>

**UNIVERSITY FACULTY**

Undergraduate Catalog 2010-2011
COX, MARIA, Assistant to the Chair (2007), B.A., M.A., Ph.D. (University of Illinois)
CRAIG, SUSAN C, Instructor of Criminal Justice (2003), B.S., M.Ed., Ph.D. (Pennsylvania State University)
CRAIGER, PHILIP, Assistant Professor of Engineering Technology (2006), B.S., M.S., Ph.D. (University of South Florida)
CRAMPTON, WILLIAM G., Assistant Professor of Biology (2007), B.A., Ph.D. (University of Oxford, U.K.)
CREPEAU, RICHARD C., Professor of History and Interim Graduate Program Director (1973), B.S., M.A., Ph.D. (Florida State University)
CRESPO, LYNN, Assistant Dean, Medical Education and Professor of Pharmacology (2007), Ph.D. (University of New York)
CREVECOEUR-BRYANT, EDWIDGE, Assistant Professor (1999), B.S., M.A., Ed.D. (Teachers College, Columbia University)
CROES, ROBERTICO, Associate Professor of Hospitality Management (2003), B.A., M.S., Ph.D. (Pennsylvania State University)
DARTY, AMY, Instructor of History (2004), B.A., M.A. (University of Central Florida)
DATTA-GUPTA, NIRMALENDU, Visiting Lecturer of Chemistry (2007), B.S., M.S., Ph.D. (SUNY at Buffalo)
DAVEY, DIANE, Assistant Dean, Graduate Medical Education and Professor of Pathology (2007), M.D. (Washington University)
DAVIS, JILL, Director of Field Education (2003), M.S.W., L.C.S.W. (University of Central Florida)
DAVIS, KRISTIN, Assistant Professor of Communication (2006), B.A., M.A., Ph.D. (Arizona State University)
DAVIS, LAUREL, Clinical Instructor/Undergraduate Field Coordinator, School of Social Work (1996), B.A., M.S.W., L.C.S.W. (Case Western Reserve University)
DeCIRCH, LESLIE A., Assistant Professor of Psychology (2007), M.S., Ph.D. (Florida International Univ.)
DECKER, BERNARD, Associate Professor of German (1989), B.A., M.A., Ph.D. (Cornell University)
DEERY, TODD, Research Associate, FIESA (2009), B.A., M.A. (Seton University)
DEL BARCO, ENRIQUE, Associate Professor of Physics (2006), Ph.D. (University of Barcelona, Spain)
DeLFYTTE JR., PETER, Secondary Joint University Board of Trustee Chair, Professor of Optics & EECS (1993), B.E., M.S., M.Phil, Ph.D. (City University of NY)
DeLORME, DENISE E., Professor of Communication (1996), B.A., M.A., Ph.D. (University of Georgia)
DEMINA, RONALD F., Graduate Coordinator and Professor School of Electrical Engineering and Computer Science (1993), B.S., M.S., Ph.D. (University of Southern California), P.E. (California)
DENNIS, KAREN, Professor, College of Nursing (2000), F.A.A.N., M.S.N., Ph.D. (University of Maryland)
DEO, NARSINGH, Professor School of Electrical Engineering and Computer Science; Holder of the Charles N. Milican Chair in Computer Science (1986), B.Sc., M.S., Ph.D. (Northwestern University)
DePALMA, JAMES, Visiting Instructor of History (2000), B.A., M.A. (Youngstown State University)
DEPPE, DENNIS G., Professor of Optics/PCCE Endowed Chair (2005), B.S., Ph.D. (University of Illinois)
DESAYER, RAMARAO, Associate Professor of Marketing (1999), B. Tech, Ph.D. (University of Florida)
DESMARIS, PAUL, Institute, Associate of Education and Professor of Nursing (2003), M.S.N., Ph.D. (University of Massachusetts)
DIXTER, NADINE, Director, Health Sciences Library (2008), M.L.S. (Florida State University)
DI CHIARA, DEBRA, Instructor, College of Nursing (2009), B.S.N., M.S.N. (University of Central Florida)
DIAZ, DIEGO J., Assistant Professor of Chemistry and Joint Assistant Professor of Nanoscience Technology (2005), B.S., Ph.D. (Cornell University)
DIAZ, SILVIA, Instructor of Education (2003), B.S., M.S. (University of Miami)
DIBERNARDO, SABATINO, Instructor of Religion, Philosophy, and Humanities (2001), B.A., M.A., M.Phil, Ph.D (Syracuse University)
DICKIE, MARK T., Professor of Economics (2001), B.A., Ph.D. (University of Wyoming)
DICKSON, DUNCAN, Assistant Professor of Hospitality Management (2001), B.A., M.P.S. (Ed.D. - UCF)
DIEKER, LISA, Professor of Education (2003), B.A., M.A., Ph.D. (University of Florida)
DINAPOLI, JOSEPH, Instructor of Communication Sciences and Disorders (2002), B.S., M.S., C.A.G.S. (Columbia University)
DIPOYRE, ROBERT L., Professor and chair of Psychology (2004), B.A., M.S., Ph.D. (Purdue University)
DIVO, EDUARDO, Associate Professor of Engineering Technology (2003), B.S., M.S., Ph.D. (University of Central Florida)
DIXON, DONOVAN, Lecturer of Chemistry (2006), B.S., Ph.D. (University of the West Indies)
DIXON, JULI, Associate Professor of Education (2000), B.A., M.S. Ph.D. (University of Florida)
DOGARIU, ARISTIDE, Professor of Optics & EECS (1995), Ph.D. (Hokkaido University)
DODHERTY, WALTER, Visiting Assistant Professor of Education (2007), B.A., M.S., Ph.D. (SUNY at Albany)
DOTSON, DENISE LEE, Instructor Librarian (2008), B.A., M.L.I.S. (University of South Florida)
DOUGLASS, SHARON E., Associate Professor of Health Sciences (1989), B.S., M.S. (University of New York at Buffalo)
DOWLING, SPENCER, Assistant Professor of History (2001), B.A., M.A., Ph.D. (University of North Carolina)
DRAVES, KRISANN, Instructor, College of Nursing (2006), A.R.N.P., M.S.N. (University of Central Florida)
DREILINGER, GILLIAN, Instructor of Communication Sciences and Disorders (1989), B.S., M.S. (Texas Tech University)
DUBEY, ARCHANA, Lecturer of Physics (2002), Ph.D. (Bhavnagar University)
DUCARME, ALFRED, Assistant Dean; Acting Chair and Associate Professor of Engineering Technology (2003), B.S., M.S. (University of Central Florida)
DUKE, JEFF, Instructor of Education (2002), B.S., M.S., Ed.D. (Florida State University)
DUNLOP-PYLE, LORI L., 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.A., Ph.D. (University of South Florida)
DUPRAS, TOSHA L., Associate Professor of Anthropology, Assistant Chair and Graduate Coordinator (1999), B.A., M.S., Ph.D. (McMaster University)
DUPUIS, MARTIN, Associate Professor of Political Science and Assistant Dean of the Honors College (2006), B.A., M.A., J.D., Ph.D. (University of Southern California)
DURANCEAU, STEVEN, J., Associate Professor of Engineering (2007), B.S., M.S., Ph.D. (University of Central Florida), P.E (Florida)
DURHAM, BARBARA A., Instructor of Accounting (2003), B.S., M.P.A. (Georgia State University)
DUSSEAU, MICHELLE, Instructor of Communication (2000), B.A., M.A. (Rollins College)
DUTKAY, DORIN, Assistant Professor of Mathematics (2006), Ph.D. (University of Iowa)
DUTTON, RONALD D., Professor School of Electrical Engineering and Computer Science (1972), B.S., M.S., Ph.D. (Washington State University)
Dwyer, Peggy D., Associate Professor of Accounting (1993), B.A., Ph.D. (University of Missouri-Columbia)
UF Campus Faculty

EAGLIN, RONALD, Associate Professor, Chair Engineering Technology (1995), B.S.M.E., M.S. Enr. E., Ph.D. (University of Central Florida)

EASTEP, MARY ANN, Coordinator Undergraduate Studies, Internship Coordinator and Instructor of Criminal Justice (1996), B.A., M.S. Ph.D. (Florida Atlantic University)

EASTER, RICHARD, Secondary Joint Appointment EECs (2008), Ph.D. (John Hopkins University)

EBERT, STEVEN, Associate Professor, Program Director of Biomedical Sciences Ph.D. (2005), Ph.D. (Ohio State University)

EDWARDS, OLIVER W., Associate Professor of Education (2003), B.A., M.Ed. Ed.S., Ed.D., Ph.D. (University of Florida)

EFTHIMIOU, COSTAS, Associate Professor of Physics (2002), Ph.D. (Cornell University)

EGENDOERFER, LISA, Instructor (2006), B.S., M.Ed. (University of Central Florida)

EHREN, BRENDA, Professor of Communication Sciences and Disorders (2007), B.A., M.S.D., Ed.D. (Florida Atlantic University)

EHREN, TOM, Director of Clinical Education and Professor of Communication Sciences and Disorders (1989), M.S. (University of South Florida)


ELLIOTT, HOLLY, Visiting Instructor of English (2007), B.A., M.A., Ph.D. (Florida State University)

ELLIS, E. TAYLOR, Associate Dean, Undergraduate Programs, and Associate Professor of Business Administration (1990), B.S., M.S., M.B.A., Ph.D. (Texas A&M University)

ELSHEMER, SETH R., Associate Professor of Chemistry (1985), B.S., Ph.D. (University of Florida)

ELSNNAWY, AHMAD M., Graduate Coordinator, Professor of Engineering (1986), B.S., M.S., M.Eng., Ph.D. (Pennsylvania State University)


ERGEL, ROBERTA, Instructor of Education (2009), B.A., M.A., Ph.D. (University of Florida)


ETHERIDGE, STEPHEN, Instructor of English (2004), B.A., M.A. (University of Central Florida)


EVANS, DOUG, Instructor of Humanities (1999), B.A., M.A., Ph.D. (Florida State University)

EVERETT, JR., ROBERT M., Associate Professor of Education (1990), B.S., M.S., Ph.D. (University of Southern Mississippi)

EZELL, DAN, Associate Professor of Education (1997), Ed.D. (University of Alabama)

FABERO, DINI S., Instructor of Spanish (1995), B.A., M.A. (University of South Carolina)

FABIANIC, DAVID A., Professor of Criminal Justice (1985), B.A., M.S., Ph.D. (University of Iowa)

FAHIM, AZZA, Lecturer of Electrical Engineering and Computer Science (2009), B.S., M.S., Ph.D. (Carroll University)

FALAN, THOMAS J., Instructor of Health Information Management and Health Services Administration (1994), B.S., M.A. (Webster University)

FANG, JIYU, Associate Professor of Computer Engineering Ph.D. (Southeastern University)

FARCAU, BRUCE, Visiting Lecturer of Political Science (2007), B.A., M.A., Ph.D. (Georgetown University)

FARLESS, PATRICIA, Instructor of History (1997), B.A., M.A. (University of Central Florida)

FATTOUR, SASAN, Assistant Professor of Optics and Second Joint Professor of Electrical and Computer Engineering (2008), B.S., M.S., Ph.D. (University of Michigan)

FAUST, JOHN E., Associate Professor of Biology (2003), Ph.D. (Duke University)

FEDORKA, KENNETH M., Assistant Professor of Biology (2005), B.S., Ph.D. (University of South Carolina)

FELDHEIM, MARY ANN, Interim Chair, Associate Professor of Public Administration (1997), B.S.N., M.S.N., Ph.D. (Florida Atlantic University)

FENTON, JAMES, Director of FSEC and Professor of Engineering (2005), Ph.D. (University of Illinois, Urbana-Champaign)

FERNANDEZ, JOSE B., Dean, College of Arts & Humanities, and Pegasus Professor of History and Spanish (1801), B.A., M.A. (Florida State University)

FERNANDEZ-VALLE, CHRISTINA, Associate Professor of Molecular Biology and Microbiology (1995), Ph.D. (University of Miami)

FERNANDEZ-VALLE, CRISTINA, Associate Professor of (1995), Ph.D. (University of Miami)

FINCH, RANDY, Associate Professor (2005), B.A., J.D. (Fordham University School of Law)

FIRE, TERRI S., Associate Professor of Political Science (1989), B.A., M.A., Ph.D. (University of Connecticut)

FIORE, STEPHEN, Assistant Professor of Cognitive Sciences (1998), B.S., B.A., M.S., Ph.D. (University of Pittsburgh)


FISHER, WILLIAM P., Darden Eminent Scholar in Restaurant Management and Professor of Hospitality Management (2001), B.S., M.B.A., Ph.D. (Cornell University)

FISTL, JILL, Assistant Professor of Hospitality Management (2005), B.A., M.A., Ed.D. (University of Central Florida)

FLAGG, JAMES R., Instructor of Legal Studies (1996), B.B.A., J.D., L.L.M. (University of Denver)

FLAMMA, MADELYN, Associate Professor of English (1990), B.A., M.A., Ph.D. (Rutgers University)

FLINT, MICHAEL W., Instructor of Criminal Justice (2004), B.A., M.S. (University of Central Florida)

FORSYTH, ELENA, Lecturer of Physics (2002), Ph.D. (USSR Academy of Science)

FLOY, DAVID, Adjunct Instructor (2003), Ph.D. (Wake Forest University)

FOLGER, RONALD G., Professor of Management (2003), B.A., M.A., Ph.D. (University of North Carolina-Chapel Hill)

FOLSE, KEITH S., Associate Professor of TESOL (2000), B.A., M.A., Ph.D. (University of South Florida)

FOOKES, BARRY G., Professor of Chemistry (1997), B.S., Ph.D. (Brunel)

FORD, CAMERON, Associate Professor of Management (1997), B.S., Ph.D. (Pennsylvania State University)

FORD, JASON A., Associate Professor of Sociology (2002), B.A., M.A., Ph.D. (Bowling Green State University)

FORD, ROBERT C., Professor of Management (1993), B.A., M.B.A., Ph.D. (Arizona State University)

FORD, ROBERT E., Instructor of Criminal Justice (1999), B.A., M.A. Ph.D. (University of Illinois)

FOROOSHK, HASSAN, Associate Professor School of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D. (Institute National de l'Education)

Foster, AMY, Assistant Professor of History (2005), B.S., M.A., Ph.D. (Auburn University)

FÖTTLER, MYRON D., Professor and Executive Director of Health Services Administration Program (1999), B.S., M.B.A., Ph.D. (Columbia University)

FOULTY, H. EDWARD, Lecturer of Psychology (2007), M.S., Ph.D. (University of New Mexico)

FRANCIS, MADISON K., Professor of Art (1990), B.F.A. (Cleveland Institute of Art)

FRAZEE, DONNA, Instructor of Education (2002), B.S., M.A. (University of Central Florida)

FRAZER, ANDREW, Lecturer of Chemistry (2006), Ph.D. (University of Hertfordshire, UK)

FRIKICS, JON, Instructor, Digital Media (2005), B.S., M.S. (University of Central Florida)

FRITZSCHE, BARBARA, Associate Professor of Psychology (1996), B.S., M.A., Ph.D. (University of South Florida)

FRONGILLO, CHRIS, Visiting Instructor of English (2008), B.A., M.A., Ph.D. (Vanderbilt University)

FRUMKIN, MICHAEL, Dean, College of Health and Public Affairs (2008), B.S., M.S., Ph.D. (Brandeis University)

FRIE, MELISSA, Assistant Professor of Finance (1999), B.S., Ph.D. (Georgia Institute of Technology)

GALLAGHER, SHAWN, Professor of Philosophy and Secondary Joint Professor of Texts and Technology (2003), B.A., M.A., M.A., Ph.D. (Bryn Mawr College)

GAMMONLEY, DENISE, Assistant Professor of Social Work (2003), B.S., M.S.W., Ph. D., L.C.S.W. (University of North Carolina)

GANESI, AJISHANKAR, Associate Professor of Marketing (1996), B.S., B.Tech., M.B.A., Ph.D. (University of Houston)

GARCIA, MARTHA, Assistant Professor of Spanish (2005), B.A., M.A. (Vanderbilt University)

GARCIA, NORA LEE, Associate Professor of Music (1996), B.M., M.M., D.M.A. (University of Miami)

GATCHEV, VLADIMIR, Associate Professor of Finance (2005), B.S., M.S., Ph.D. (Tulane University)

GAUDEK, WALTER, Professor of Art (1970), M.A. Ph.D. (New York University)

GAUSE, JR., J. RICHARD, Associate Librarian (1990), B.S., M.B.A., M.L.S. (Florida State University)

GAY, DAVID, Associate Professor of Sociology (1989), B.A., M.A., Ph.D. (Duke University)

GAY, KIRK, Instructor of Music (2005), B.M., M.M. (Cleveland Institute of Music)

GEIGER, CHERIE L., Associate Professor of Chemistry (1996), B.S., Ph.D. (University of South Florida)
HARRIS, MARY BETH, Assistant Professor of Social Work (2006), M.S.W., Ph.D., L.C.S.W. (University of Washington)

HARRIS, PHYLLIS, Instructor of Management (2006), B.S.J., M.B.A. (Northwestern University)

HARRISON, C. KEITH, Associate Professor of Sport Business Management (2006), B.S., M.A., Ph.D. (University of Southern California)

HARRISON, GLENN, Professor of Economics (2003), B.A., M.E., M.A., Ph.D. (University of California Los Angeles)

HARRISON II, RICHARD H., Associate Librarian (2003), B.A., M.L.S. (Vanderbilt University)

HARTLE, LYNN, Associate Professor of Education (2000), B.Ph., M.A., Ph.D. (The Pennsylvania State University)

HAYES, B. GRANT, Professor of Education (1999), A.B., M.S., Ph.D. (Arizona State University)

HEGLUND, STEPHEN, Assistant Professor - MMAE (2003), Ph.D. (Federal Institute of Technology)

HEHLE, XIN, Assistant Professor of Nursing (2004), B.E., M.B.A., Ph.D. (University of Pennsylvania)

HEDWIG, PETER, Assistant Professor of Psychology (2003), B.A., M.A., Ph.D. (University of Florida)

HEYNERS, ROBERT L., Professor of Electrical Engineering and Computer Science (2003), B.A., M.A., Ph.D. (University of Central Florida)

HENKEN, LUANN, Visiting Instructor of English (2007), B.A., M.A. (University of Central Florida)

HENNING, LINDA, Associate Dean, Undergraduate Affairs, College of Nursing (1989), M.S.N., Ed.D. (University of Central Florida)

HEPNER, LYNN, Assistant Dean, Academic Programs, College of Arts & Humanities (1995), B.A., M.A. (University of Central Florida)

HERLY, KEVIN, Instructor of History (2002), B.D., B.A., M.A., Ph.D. (University of Dublin)

HERNANDEZ, FLORENCIO E., Associate Professor of Chemistry and Secondary Joint Associate Professor of Optics (2002), B.S., Ph.D. (Universidad Central de Venezuela)

HEWITT, RANDALL, Associate Professor of Education (2001), B.A., M.A.E., Ph.D. (University of Florida)

HEWLINGS, SUSAN, Assistant Professor of Medical Education and Nutrition (2009), Ph.D. (Florida State University)

HICKMAN, JAMES, Professor of Chemistry and Joint Professor of Nanoscience Technology (2004), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

HIGGINS, PATRICK, Instructor of Mathematics (1999), B.S., M.S. (University of Central Florida)

HIGHOWER, ROSS T., Assistant Professor of Management Information Systems (1999), B.S., M.S., Ph.D. (Georgia State University)

HILLSGROVE, TALI, Assistant Professor of Military Science, Enrollment Officer (2009)

HINES, REBECCA, Associate Professor of Education (1999), Ph.D. (University of South Florida)

HINKLE, ROSS, Chair and Professor of Biology (2009), Ph.D.

HINSHAW, CAROLE S., Marketing & Program Officer and University Librarian (1989), B.S., M.L.S. (Louisiana State University)

HIRUMI, ATSUJI, Associate Professor of Education (2003), B.S., M.A., Ph.D. (Florida State University)

HITCHCOCK, DORILYN F., Assistant Professor, Program Director of Medical Laboratory Sciences (1989), M.T., M.S. (Northeastern University)

HITT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)

HOBART, JAMES, Visiting Instructor of Communication (2008), B.A. (University of Central Florida)

HODGSON, SHARI, Instructor of Communication (1999), B.A., M.A. (University of Central Florida)

HOEKSTRA, ROBERT L., Associate Professor of Engineering (1993), B.A., M.DES., Ph.D. (University of Cincinnati)

HOEPNER, ATHENA R., Associate Professor of Education (2006), B.A., M.A., Ph.D. (University of Nebraska)

HOFMANN, BOBBY, Assistant Professor of Education (2008), B.A., M.A., Ph.D. (University of Las Vegas)


HOFMAN, ERIC, Assistant Professor of Biology (2005), B.S., M.S., Ph.D. (Oregon State University)

HOFLER, RICHARD A., Professor of Economics (1989), B.S., Ph.D. (University of North Carolina-Chapel Hill)

HOFSTEINER, KATHLEEN, Instructor of English (1998), B.A., M.A., Ph.D. (University of Notre Dame)

HOLCOMB, AL D, Associate Professor of Music (2009), B.M.E., M.M.E., Ph.D. (University of Hartford)


HOLLAND, KATHIE K., Instructor of Management (2001), B.S., M.B.A. (University of Hartford)

HOLMES, STEPHEN, Associate Professor of Criminal Justice (1997), B.S., M.A., Ph.D. (University of California)

HOLT, LARRY C., Associate Professor of Education (1988), B.S., Ed.D. (University of Cincinnati)

HOPKINS, MARTHA H., Professor of Education (1983), B.A., M.Ed., Ph.D. (Florida State University)

HORNICK, STEVEN R., Lecturer of Accounting (2006), B.A., Ph.D. (Florida International University)

HOSTETLER, JANE, Instructor of Communication Sciences and Disorders (2004), B.A., M.A. (University of Central Florida)

HOUPT, DAVID, Associate Professor of Political Science (2003), B.A., M.A., Ph.D. (University of Pittsburgh)

HOWARD, ROSALYN, Associate Professor of Anthropology (1999), B.A., M.Ed., Ph.D. (University of Florida)

HOYT, ERICA, Instructor, College of Nursing (2003), M.S.N. (University of Phoenix)

HUI, HAYAN, Assistant Professor School of Electrical Engineering and Computer Science (2008), B.S., M.S., Ph.D. (University of Southern California)

HUA, KIEN, Professor School of Electrical Engineering and Computer Science (1990), B.S., M.S., Ph.D. (University of Illinois-Urbana Champaign)

HUA, NAN, Assistant Professor of Hospitality Management (2007), B.S., M.S., Ph.D. (The Pennsylvania State University)

HUAIXIANG, TAN, Associate Professor of Theatre (1997), B.A., M.F.A. (Utah State University)

HUBBARD, SUSAN S., Professor of English (1995), B.A., M.A. (Syracuse University)

HUDSON, LINDSAY, Visiting Instructor of Communication (2000), B.S., M.A. (University of Central Florida)

HUFF-CORZINE, LIN, Associate Vice Provost, Academic Affairs, and Professor of Sociology (1996), R.N., B.A., Ph.D. (Washington University in St. Louis)

HUGHES, CHARLES E., Professor, School of Electrical Engineering and Computer Science (1980), B.S., M.S., Ph.D. (Penn State University)

HUGHES-BRAND, N. SHEA, Visiting Instructor of Education (2007), B.S., M.S., B.Ed. (Florida State University)

HULL, ERIC, Assistant Professor of Legal Studies (2007), B.S., M.S., J.D. (Barry University School of Law)

HUNT, DEBRA, Instructor, College of Nursing (2007), B.S.N., M.S.N., University of Central Florida

HUNT, JEREMY, Assistant Professor of Music (2005), B.M., M.M., D.M.A. (Indiana University)

HUO, QIN, Associate Professor of Nanoscience Technology and Joint Associate Professor of Chemistry (2005), B.S., M.S., Ph.D. (University of Miami)

HUSAIND, MUTABA, Professor of Pathology, College of Medicine (2010), M.B.B.S. (University of Karachi)

HUSTY, TODD, Assistant Professor of Emergency Medicine (2003), D.O. (Kansas City College of Osteopathic Medicine)

HUTCHINSON, CYNTHIA J., Associate Professor of Education (1989), B.S., M.A., Ed.D. (Florida Atlantic University)

HUTCHINSON, JOE, Visiting Chair and Associate Professor of Hospitality Management (2006), B.S., M.B.A., Ph.D. (Virginia Polytechnic Institute and State University)

HYNES, MICHAEL C., Department Chair, Teaching & Learning Principles (2011), B.S.Ed., M.Ed., Ph.D. (Kent State University)

IGARASHI, ROBERT, Assistant Professor of Chemistry and Secondary Joint Assistant Professor of Biomedical Sciences (2007), Ph.D. (The Pennsylvania State University)

ILOGOKE, CHUKWU, Assistant Professor of History (2000), M.B.A. (University of Central Florida)

IMANI, SABA, Assistant Professor of Education (2009), B.A., M.A., Ph.D. (Virginia Commonwealth University)

INAYO, NAOMI, Assistant Professor of English (2007), B.A., M.A. (University of Central Florida)

IOCINO, ROSALIO, Assistant Professor of Education (1999), B.S., M.A., Ph.D. (Arizona State University)

IHLE, JARRED, Assistant Professor of Chemistry (2003), B.S., M.A., Ph.D. (University of Florida)

IMAGAMOTO, KEI, Assistant Professor of Chemistry (2007), B.S., M.A., Ph.D. (University of Hawaii)

ICHIYAMA, MIYUKI, Assistant Professor of Sociology (1999), B.A., M.A., Ph.D. (University of Tsukuba)

IIZUKA, KOTOBU, Assistant Professor of Biomedical Sciences (2007), B.S., M.A., Ph.D. (University of Central Florida)

ILOGOKE, CHUKWU, Assistant Professor of History (2000), M.B.A. (University of Central Florida)

ILOGOKE, CHUKWU, Assistant Professor of History (2000), M.B.A. (University of Central Florida)

ILOGOKE, CHUKWU, Assistant Professor of History (2000), M.B.A. (University of Central Florida)
KIEL, DWIGHT, Associate Professor of Political Science (1990), B.A., M.A., Ph.D. (University of Massachusetts)
KOJEC, JEAN C., Associate Professor, College of Nursing (1985), B.S.N., M.A., Ph.D. (New York University)
KIK, PIETER G., Assistant Professor of Optics & Photonics (2003), B.S., Ph.D. (F.O.M. Institute of Amsterdam)
KILLINGSWORTH, ELIZABETH, Acting Head, Information Literacy & Outreach and Associate Librarian (2000), B.S., M.L.S. (University of North Texas)
KILMAN II, MARCUS D., Head, Circulation & Media Services and Assistant Librarian (1996), B. S., M.S.L.I.S. (University of Texas)
KIM, JIN, Associate Professor of Art (1999), B.A., Ph.D. (University of Minnesota)
KIM, MYUNGHEE, Assistant Professor of Political Science (2007), B.P.A., M.A., Ph.D. (Binghamton University- SUNY)
KINNALLY, WILLIAM, Assistant Professor of Communication (2008), B.A., M.A. Ph.D. (Florida State University)
KINSEY, BARBARA, Associate Professor of Political Science (2002), B.A., Ph.D. (Washington University)
KIRBY, PAMELA E., Associate Dean and Instructor of Legal Studies (2000), B.A., M.A. J.D. (University of Virginia)
KIRKPATRICK, LEE ANNE, Director, College of Sciences Academic Support (1992), B.A., M.S. (University of Central Florida)
KISBY, CYNTHIA M., Head, Regional Campus Libraries and Associate Librarian (1996), B.A., M.A.L.S. (Dominican University)
KŁAPHEKE, MARTIN, Professor of Psychiatry, College of Medicine (2010), M.D. (University of Kentucky)
KNUCKEY, JONATHAN Q., Associate Professor of Political Science (1998), B.A., M.A., Ph.D. (University of New Orleans)
KOBŁASZ, MARGARITA M., Instructor of Legal Studies (2004), B.A., J.D. (Stetson University)
KOCAN, ANNA, Instructor of Medical Laboratory Technology (2005), B.S., M.S. (University of Central Florida)
KOKOULINE, VIATCHESLAV, Associate Professor of Physics (2003), Ph.D. (Université de Paris)
KOLATTUKUDY, P.E., Professor, Director, Burnett School of Biomedical Sciences (2002), B.S., B.Ed, Ph.D (Oregon State University)
KOLPASCHIKOV, DMITRY, Assistant Professor of Chemistry (2008), B.S., M.S., Ph.D. (Novosibirsk Institute of Bioorganic Chemistry, Russia)
KONG, ANTHONY, Assistant Professor of Communication Sciences and Disorders (2007), B.S., Ph.D (University of Hong Kong)
KOONS, KEITH, Professor of Music (1993), B.M.E., M.M., D.M.A. (University of Southern California)
KOROSEC, RONNIE, Assistant Professor (2001), B.A., M.P.A., Ph.D. (State University of New York at Binghamton)
KOROSY, ALICE A., Instructor of Spanish (1998), B.A., M.A. (Florida State University)
KOTNOUR, TIMOTHY G., Assistant Professor of Engineering (1995), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University, E.I. Illinois)
KOUROVA, ALLA, Visiting Instructor of Modern Languages (2008), B.A., M.A., Ph.D. (Moscow State University, Russia)
KOVACH, KEITH, Assistant Professor of Art (2004), B.A., M.F.A. (University of South Florida)
KRICK, STEPHANIE, Visiting Instructor (1997), M.P.A. (Troy State)
KRISHNAMOORTHY, ANAND, Assistant Professor of Marketing (2004), B.Tech., Ph.D. (University of Texas, Dallas)
KUBIET, LESLIE, Instructor, College of Nursing (2006), A.R.N.P., M.S.N. (University of Florida)
KULIKER, STEPHEN, Assistant Professor of Chemistry and Joint Assistant Professor of Optics (2003), B.S., Ph.D. (University of Oxford)
KUJAWA, FRANK B., Associate Professor of Chemistry (1969), B.A., Ph.D. (Johns Hopkins University)
KUMAR, RANGANATH, Professor of Engineering (2003), B.S., M.S., Ph.D (University of Illinois at Urbana-Champaign)
KUMINKA, WILLIAM, Instructor of Education (2006), B.S., M.S. (Florida State University)
KWUN, DAVID, JOON-WUK, Assistant professor of Hospitality Management (2006), B.S., M.S., Ph.D. (Iowa State University)
KYRE, BARBARA, Instructor of English (2006), B.A., M.A. (University of Central Florida)
LADORES, SIGRID, Instructor, College of Nursing (2004), M.S.N. (University of Pennsylvania)
LAFFERTY, PATRICIA, Adviser/ Instructor, College of Nursing (1995), M.S.N. (University of Central Florida)
LAMANNA, JACQUELINE, Instructor, College of Nursing (2006), M.S.N. (University of Florida)
LAMBERT, STEPHEN, Associate Professor of Medical Education (2006), Ph.D. (University of Watawase)
LAMBIE, GLENN, Associate Professor (2005), B.A., M.Ed., Ph.D. (College of William & Mary)
LANDREVILLE, SARAH, Instructor, College of Nursing (2008), M.S.N., M.S.N. (University of Central Florida)
LANG, SHEAL-DONG, Associate Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (Pennsylvania State University)
LANGE, BARBARA, Coordinator R.N. to B.S.N. Program and Instructor, College of Nursing (2002), M.S.N. (Bellarmine University)
LANGWORTHY, ROBERT, Chair of Department of Criminal Justice and Legal Studies and Professor of Criminal Justice (2007), B.S., M.A., M.A., Ph.D (State University of New York-Albany)
LANIER, DREW N., Visiting Instructor of English (2007), B.A., J.D., Ph.D. (University of North Texas)
LANIER, MARK M., Associate Professor of Criminal Justice (1993), B.S., M.S., Ph.D. (Michigan State University)
LANIER, PATRICIA, Instructor of Education (2004), B.A., M.A. (University of Central Florida)
LAPCHICK, RICHARD E., Professor and Director of Sports Business Management (2001), B.S., M.S., Ph.D. (University of Denver)
LARSON, PETER, Assistant Professor of History (2008), B.A., M.A., Ph.D. (Rutgers, The State University of New Jersey)
LARTONOZ, PAUL F., Associate Professor of Theatre (1998), B.A., M.F.A. (Lindenwood University)
LAUNIER, EUGENE, Instructor of English (2008), B.A., M.A. (St. Cloud State University)
LAVIOLA, JOSEPH, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Brown University)
LAVOY, MARIA, Assistant Professor of Psychology (1995), B.S., M.A., Ph.D. (Miami University)
LAWRENCE, SHAWN, Assistant Instructor of Social Work (2006), Ph.D., L.C.S.W. (University at Buffalo)
LAWTHER, WENDELL C., Associate Professor of Public Administration (1984), B.A., M.A., Ph.D. (Indiana University)
LE, HUY, Assistant Professor of Psychology (2006), B.S., Ph.D. (University of Iowa)
LEAVENS, GARY T., Professor, Associate Director School of Electrical Engineering and Computer Science (2007), B.S., M.S. (Massachusetts Institute of Technology)
LEE, DAVID, Assistant Professor of Theatre (2005), B.F.A., M.F.A. (Yale School of Drama)
LEE, GENE C H., Associate Professor of Engineering (1985), B.E., M.S., M.S.I.E., Ph.D. (Texas Tech University, P.E. (Texas, Florida)
LEE, JOOHEUNG, Assistant Professor School of Electrical Engineering and Computer Science (2008), B.S., M.S. (Pennsylvania State University)
LEE, JUNHO, Assistant Professor of Mathematics (2007), B.S., M.S., Ph.D. (Michigan State University)
LEHMAN, THOMAS, Visiting Assistant Professor of Ed (2008), B.A., M.A., Ph.D. (Florida State University)
LEHMANN, GERALD, Capt, USAF, Assistant Professor of Aerospace Studies (2008), B.S., MBA (Webster University)
LEIGH JR., WILLIAM E., Professor of Management Information Systems (1987), B.S., M.S., M.B.A., Ph.D. (University of Cincinnati)
LELI, PATRICIA, Undergraduate Coordinator and Instructor, College of Nursing (1979), M.S.N. (University of Alabama at Birmingham)
LEON, ANA M., Associate Professor of Social Work (1994), B.A., M.S.W., Ph.D. (New York University)
LESTER, CONNIE, Associate Professor of History (2008), B.A., M.A., Ph.D. (University of Tennessee)
LETECUE, MARIE, Associate Professor of French (1994), B.A., M.A., Ed.D. (University of Central Florida)
LEUNER, JEAN, Dean and Professor, College of Nursing (2003), C.N.E., M.S.N., Ph.D. (Boston College)
LI, GUIFANG, Professor of Optics & ECECS (1997), B.S., M.S., Ph.D. (University of Wisconsin-Madison)
LI, XIAOMAN, Assistant Professor (2008), Ph.D. (University of Southern California)
LI, XIN, Professor of Mathematics (1990), B.A., M.A., Ph.D. (University of South Florida)
LI KAM WA, PATRICK, Associate Professor of Optics & ECECS (1993), B.E., Ph.D. (University of Sheffield)
LIAO, Yi, Assistant Professor of Chemistry (2006), B.S., Ph.D. (University of Massachusetts)
LIBERMAN, AARON, Professor of Health Services Administration (1996), B.A., M.S., M.A., Ph.D. (University of Iowa)
LIBOFF, RICHARD, Distinguished Professor of Physics (2006), Ph.D. (New York University)
LIBERMAN, LESLIE, Director of the Women's Research Center and Professor of Anthropology (2001), B.A., M.A., Ph.D. (University of Connecticut)
LILLIOLS, ANNA, Associate Professor of English (1989), B.A., M.A., Ph.D. (University of Iowa)
LIN, KOU-CHI KURT, Associate Professor (1990), Ph.D. (University of Michigan), P.E. (Florida)
LINDSLEY, BOYD, Assistant Director and Instructor of Communication (2007), B.A., M.A. (University of Central Florida)
LI, JUN, Professor School of Electrical Engineering and Computer Science (1986), S.S.E.E., M.S.E.E., Ph.D. (University of Florida)
LIU, KUOTSAI TOM, Professor of Public Administration (1996), B.A., M.P.A., D.P.A. (University of Oklahoma)
LISTENGARTEN, JULIA, Associate Professor of Theatre (1999), M.A., Ph.D. (University of Michigan)
LITTLE, MARIE, Associate Professor of Education (1996), Ph.D. (University of Kansas)
LLWELLYN, MARK J., Lecturer School of Electrical Engineering and Computer Science (1998), B.S., B.A., Ph.D. (University of Central Florida)
LOERZEL, VICTORIA, Assistant Professor, College of Nursing (2007), B.A., B.S.N., M.S.N., Ph.D. (University of Central Florida)
LOGAN, LISA, Associate Professor of English (1996), B.A., M.A., Ph.D. (University of Rochester)
LOGAN, RONALD, Associate Professor of Hospitality Management (2003), B.A., M.A. (University of California, Los Angeles)
LOGUIDICE, FRANCIS T., Instructor of Biology (1997), B.S., M.S. (University of Central Florida)
LONG, GEORGE, Instructor of Anthropology (1991), B.A., M.A. (University of Florida)
LONG, MARK, Instructor of History (2007), B.A., M.A., Ph.D. ( Loyola University)
LOPEZ, GENARO, Professor, Director of Prehealth Professions Advisement Office (2004), Ph. D. (Colorado State University)
LOPEZ, HUMBERTO J., Professor of Spanish (1996), B.A., M.A., Ph.D. (Florida State University)
LOPEZ-QUEDAL, WILFRIDO, Instructor (2003), M.S. (University of Puerto Rico School of Medicine)
LORR, INDA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (University of Phoenix)
LOREE, MICHAEL, Visiting Instructor of Sociology (1999), B.A., M.A. (University of Florida)
LOTZ, THEO, Director of Art-In-State Program and Instructor (2004), B.A., M.F.A. (Louisiana State University)
LUCKEN, KAROL M., Associate Professor of Criminal Justice (1994), B.A., M.S., Ph.D. (Florida State University)
LUDWIG, VIRGINIA, Instructor of TESOL (1999), B.A., M.A. (University of Central Florida)
LUE-STEWART, MARTHA, Professor of Education (1999), B.A., M.A., Ed.S., Ph.D. (University of Florida)
LUNO, WILLI, Professor of Physics (1992), B.S., Ph.D. (University of California, Los Angeles)
LYNCH, PERRY, Instructor of Hospitality Management (2009), B.A., M.S. (University of Wisconsin-Stout)
LYNWAYLER, JOHN P., Associate Professor of Sociology (1989), B.A., M.A., Ph.D. (University of Tennessee)
LYONS, AMELIA, Assistant Professor of History (2005), B.A., M.A., Ph.D. (University of California Irvine)
LYTLE, J. STEPHEN, Associate Professor of Health Services Administration (1975), RRT, B.S., M.S., M.P.H. (University of Central Florida)
MABOUOU-TCHAO, EDGARD, Assistant Professor of Statistics (2007), B.S., M.S., Ph.D. (University of Minnesota)
MACKIE, KEVIN, Assistant Professor of Engineering (2006), B.E., M.S., Ph.D. (UC Berkeley)
MAHAN, SUE G., Associate Professor of Criminal Justice (1987), B.A., M.A., Ph.D. (University of Missouri)
MAJOR, ANTHONY B., Associate Professor of Communication (1973), B.A., M.F.A. (New York University)
MALALA, JOHN, Assistant Professor of Communication (2001), B.A., M.A., Ed.S., Ph.D. (University of Bradford)
MALENDEYCH, IRYNA R., Instructor of Criminal Justice (2006), B.S., M.Ed., M.S. (University of Central Florida)
MALOCHA, DONALD C., Professor School of Electrical Engineering and Computer Science (1981), B.S., M.S., Ph.D. (University of Illinois), P.E. (Florida)
MALVEY, DONNA, Assistant Professor of Health Services Administration (2004), Ph.D. (University of Alabama-Birmingham)
MANNING, RANDOLPH, Associate Dean for Students and Professor of Medical Education (2008), Ed.D. (George Washington University)
MAO, HUIFANG, Assistant Professor of Marketing (2006), B.S., M.B.A., Ph.D. (Indiana University)
MAREN, DANIEL, Visiting Lecturer of Political Science (2008), B.A., M.A., Ph.D. (The New School of Social Research, New York City)
MARRINARA, MARTHA, Associate Professor of English (1998), B.A., M.A., Ph.D. (Lehigh University)
MARINESCU, DAN, Professor School of Electrical Engineering and Computer Science (2001), B.S., M.S., PhD (Polytechnic Inst. Bucharest)
MAROSI, LASZLO, Associate Professor of Music (2003), Ph.D. (Florida State University)
MARTINI, EDUARDO, Associate Professor of Physics (2004), B.S., Ph.D. (Universidad La Laguna, Spain)
MARTIN, HEATH M., Associate Professor of Mathematics (1995), B.S., Ph.D. (Louisiana State University)
MARTIN, MICHAEL JASON, Acting Head, Curriculum Materials Center and Assistant Librarian (2003), B.A., M.A.I.S. (University of South Florida)
MARTIN, PAUL, Visiting Instructor of English (2008), B.A., M.A. (University of Central Florida)
MARTIN, SUZANNE, Professor of Education (2000), B.S., M.Ed., Ph.D. (University of Florida)
MARTIN, THOMAS L., Associate Professor of Economics (1983), B.A., B.S., Ph.D. (Rice University)
MARTIN JR., FRANCIS, Lecturer of Art History (1987), B.A., M.A., Ph.D. (University of California at Los Angeles)
MARTINEZ-FERNANDEZ, LUIS, Professor of History (2004), B.A., M.A., Ph.D. (Duque University)
MASUNOV, ARTEM, Assistant Professor of Nanoscale Science and Joint Assistant Professor of Chemistry (2005), B.S., M.S., Ph.D. (Hunter College and City University of New York)
NEAL, MARY DARLIN, Assistant Professor of English (2008), B.A., M.A., M.F.A., Ph.D. (University of Southern Mississippi)
NEEL, STEVEN, Instructor of Communication (2003), B.A., M.A. (University of Central Florida)
NEGARA, ALMA, Associate Professor of Mathematics (1993), B.S., M.S., Ph.D. (University of Florida)
NEGRI, CHARLES, Associate Professor of Psychology (1999), B.A., M.S., Ph.D. (Texas A&M University)
NEIGHT, J. EDWARD, Vice Provost, Academic Affairs, and Professor of Philosophy (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
NELSON, LOREN, Professor of Surgery (2008), M.D. (University of Iowa)
NELSON, RHONDA, Visiting Instructor of English (2007), B.A., M.A. (University of Central Florida)
NEUBAUER, CHARLOTTE, Instructor, College of Nursing (2007), B.S.N., M.S.N. (University of Phoenix)
NEVRA, ANDREW, Assistant Professor of Mathematics (2008), B.A., M.S., Ph.D. (University of California, Los Angeles)
NGWA, WILFRED, Lecturer of Physics (2005), University of Leipzig, Germany
NI LIQUAN, Associate Professor of Statistics (2003), B.Sc., Ph.D. (University of Minnesota)
NICHOLS, DARYL, Instructor of Management (2006), B.S.B, M.B.A. (University of South Florida)
NICHOLSON, DAVID W., Assistant Professor School of Electrical Engineering and Computer Science (2003), B.S., M.S., M.B.A., Ph.D. (University of Central Florida)
NICHOLS, GARY, Instructor of Management (1990), B.S., M.S., Ph.D. (University of Florida)
NISS, CHRISTOPHER, Associate Professor of Theatre (2001), B.A., M.F.A. (Kent State University)
NOADI, RIFAT, Associate Professor of Chemical Engineering (1994), B.Eng., Ph.D. (Queen's University-Ontario, Canada), P.E. (Canada, Florida)
NORLING, ALICE, Program Director and Instructor of Health Information Management (2004), M.B.A. (Georgia State University)
NORRIS, ANNE, Professor, College of Nursing (2001), F.A.A.N., B.S., B.S.N., M.S., Ph.D. (University of Wisconsin-Madison)
NOSS, REED F., Provost Distinguished Research Professor and Professor of Biology (2002), B.S., M.S., Ph.D. (University of Florida)
NOVATNAK, DANIEL, Visiting Instructor of Digital Media (2008), B.A., M.S., M.A. (University of Central Florida)
NOUSIA, HALDOUN, Assistant Professor of Hospitality Management (2007), B.A., M.S. (Technology), M.S. (Management), Ph.D. (The Ohio State University)
NUDEL, JOYCE, Associate Professor of Education (2007), B.A., M.A., Ph.D. (University of South Florida)
NYE, CHAD, Professor of Communication Sciences and Disorders (1999), B.A., M.S., Ph.D. (University of California)
ODONNEILL, KRISTEN, Instructor of Communication (2007), B.A., M.A. (University of Texas)
OETJEN, DAWN M., Graduate Coordinator and Associate Professor of Health Services Administration (1999), B.S., R.R.A., C.P.H.Q., M.S., Ph.D. (University of Alabama at Birmingham)
OKUMUS, FEZLI, Chair, Department of Hospitality Services and Associate Professor of Hospitality Management (2005), B.S., M.S., Ph.D. (University of Houston)
OLIVER, KATHLEEN M., Associate Professor of English (2003), Ph.D. (University of South Florida)
OLOUFA, AMIR A., Professor of Engineering (1999), B.S., M.S., Ph.D. (University of California, Berkeley), P.E. (California)
ONEAL, THOMAS P., Associate V.P. for Research & Commercialization, and Associate Professor of Management (2007), B.S., M.S., M.B.A., Ph.D. (University of Central Florida)
ORLOWSKA, NINA, Assistant Professor of Engineering (2006), Ph.D. (National Academy of Science of Ukraine)
OREJO, ALI, Associate Professor of Electrical Engineering and Computer Science (1985), B.S., M.S., Ph.D. (Ohio State University)
ORTIZ, S. ENRIQUE, Associate Professor of Education (1989), B.A., M.A., Ed.D. (Louisiana State University)
OSHEA, DEIRDRE, Instructor of History (2007), B.A., M.A. (University of Central Florida)
OSULIVAN, PATRICK, Adjunct Instructor (2005), M.S. (Florida Institute of Technology)
OWEN, KENNETH, Visiting Instructor/Coordinator (2008), B.S., M.A. (Texas State University)
OZOGLU, HAKAN, Assistant Professor of History (2007), B.A., M.A., Ph.D. (Ohio State University)
PABAN, PATRICK, Instructor of Health Professions (2008), B.S., DPT (University of Physical Therapy)
PAUL, HEIL, Assistant Professor of Sociology (2009), B.A., M.A., Ph.D. (Stamford University)
PANOUSI, PETER, Dean, College of Sciences (2000), B.S., Ph.D. (Iowa State University)
PATOINE, EUGENE A., Assistant Professor of Criminal Justice (2001), B.A., M.A., M.S., Ph.D. (State University of New York at Albany)
PARK, HOON, Associate Professor of International Business (1989), B.A., M.B.A., Ph.D. (Georgia State University)
PARK, SHELLEY M., Associate Professor of Philosophy (1990), B.A., M.A., Ph.D. (Duke University)
PARKINSON, CHRISTOPHER L., Assistant Professor of Business (2000), B.S., M.S., Ph.D. (University of Louisville)
PARSA, H.G., Associate Professor of Hospitality Management (2007), Ph.D., M.S., M.S.C., B.S. (Virginia Polytechnic University)
PARRAS, CARLA, Exchange Coordinator and Instructor of Communication Sciences and Disorders (2002), B.S., M.S. (Southern Illinois University)
PATINO, PEDRO R., Lecturer of Chemistry, Associate Chair, and Undergraduate Advisor (2006), B.S., Ph.D. (Oxford University)
PATTANAIKA, SUMANTA, Associate Professor School of Electrical Engineering and Computer Science (2001), B.S., M.S., Ph.D. (Ben Institute of Science and Technology)
PAWLAS, GEORGE E., Professor of Education (1991), B.S., M.Ed., Ph.D. (University of South Carolina)
PAXTON, ANDREW, Professor of Anatomy (2008), B.S. (Loyola University)
PEALE, ROBERT E., Professor of Physics (1991), B.A., M.S., Ph.D. (Cornell University)
PELLER, MIRAH, Abe and Tessa Wise Endowed Professor of Judaic Studies and Program Director, Judaic Studies Program (1985), B.S., Ph.D. (The Dropsie College)
PENNINGTON, ROBERT L., Director, Center for Economic Education and Associate Professor of Economics (1983), B.A., Ph.D. (Texas A&M University)
PENSKY, MARIANNA Y., Professor of Mathematics (1995), B.Sc., M.Sc., Ph.D. (Moscow University)
PEPE, JULIE, Instructor of Statistics (2004), B.A., M.S. (Purdue University)
PEPPER, RICHARD, Associate Dean, Faculty and Academic Affairs and Professor of Anatomy (2007), Ph.D. (University of Kansas)
PEREZ, MANUEL, Assistant Professor of Nanoscience Technology and Secondary Joint Assistant Professor of Chemistry (2005), B.S., M.S., Ph.D. (Boston University)
PERRY, CHARLES, Visiting Assistant Professor of Theatre (2008), B.S., M.F.A. (University of Florida)
PETTIT, ROBERT, Instructor of English (2001), B.S., B.A., M.A.A.E. (University of Central Florida)
PETKOS, JULIA, Associate Dean, Planning and Knowledge Management, College of Medicine (2000), Ph.D. (Case Western Reserve University)
PETER, PHILIP, Associate Professor of Digital Media (2003), F.A.A., M.F.A. (University of Montana)
PHANSTIEL, OTTO, Professor of Medical Education (1998), B.S., M.D. (University of California)
PIERRE, PHILIP, Professor of Music (2004), B.Mus., M.M., D.M.A. (University of Illinois)
PISACK, JEANNE M., Assistant Librarian (1990), B.S., M.L.S. (Kent State University)
PICKERING, ROY, Professor of Music (1979), B.M.E., M.M. (Indiana University)
PIKE, AUDREY, Associate General Counsel, College of Medicine (2010), J.D. (Florida State University, College of Law)
PIZAM, ABRAHAM, Dean Rosen College of Hospitality Management, Linda Chapin Eminent Scholar Chair in Tourism Management, Professor of Hospitality Management and Secondary Joint Professor of Medicine (1983), B.A., M.F.A., Ph.D. (Cornell University)
PLATT, JENNIFER C., Executive Associate Dean and Professor of Education (1985), B.S., M.S., Ed.D. (West Virginia University)
PONCIE-VALCARCEL, CARLA, Associate Professor of Art (2000), B.F.A., M.F.A. (Texas Tech University, Lubbock)
POLLITT, MARK, Visiting Instructor of Engineering Technology (2006), B.S., M.S. (Syracuse University)
POLLOCK, PHILIP H., Professor of Political Science (1982), B.A., Ph.D. (University of Minnesota)
PONERELLE, JULIE, Instructor of French and Spanish (2003), B.A., M.A. (University of Barcelona, Spain)
PONS, IRENE, Instructor of Legal Studies (2007), B.A., J.D. (Nova Southeastern University)
POOLE, MAX C., Associate Dean, Graduate College and Associate Professor of Health Sciences (2005), B.S., Ph.D. (Medical College of Georgia)
POTTER, ROBERT, Instructor of Economics (2001), B.S., B.A., M.A.A.E. (University of Central Florida)
SZALMA, JAMES, Assistant Professor of Psychology (2006), B.S., M.A., Ph.D. (University of Cincinnati)
SZENTE, JUDIT, Assistant Professor of Education (2005), B.A., M.Ed., Ph.D. (University of Buffalo)
SZYMANSKI, ROBERT J., Instructor of Management Information Systems (2002), B.S., MBA (Boston College)
TALBERT, STEVEN, Assistant Professor, College of Nursing (2007), B.S.N., M.S.N., Ph.D. (University of Kentucky)
TAMASAN, ALEXANDRU, Assistant Professor of Mathematics (2005), B.S., M.S., Ph.D. (University of Washington)
TANG, YALIANG, Lecturer Mechanical, Materials and Aerospace Engineering (2010), B.S., M.S. (Telane Polytechnic Institute and State University)
TAPPEN, MARSHALL, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
TAUB, GORDON, Instructor of Spanish (2006), B.S., M.A., Ph.D. (University of Arizona)
TARTT, KACIE, Assistant Professor of Mathematics (2006), B.A., M.B.A (Southern Illinois University)
TAYLOR, MICHELLE, Instructor/Coordinator of Mathematics (2000), B.S., M.Ed. (University of Florida)
TAYLOR, ROSEMARY, Associate Professor of Education (2000), B.A., M.Ed., Ed.S., Ph.D. (Georgia State University)
TELEP, PETER, Instructor of English (1998), B.A., M.A. (Florida State University)
TERRY, MICHAEL, Instructor of Hospitality Management (2006), B.S., M.B.A. (Southern Illinois University)
TESONE, DANA, Professor of Hospitality Management (2001), B.S., M.S., M.B.A., Ph.D. (Nova Southeastern University)
TETER, KENNETH, Assistant Professor of Molecular Biology and Microbiology (2003), PhD (University of California)
THAXTON, TERRY A., Assistant Professor of English (2002), B.A., M.A., M.F.A. (Vermont College)
THEEN, TERRELL, Instructor of Digital Media (2006), M.S. (Indiana University)
THOMAS, PAMELA S., Instructor of Biology (2000), B.S., M.S. (University of Central Florida)
THOMPSON, ANTHONY, Director of Development (2006), B.A., M.A., Ed.D. (Florida State University)
THOMPSON, BRENDA, Assistant to the Chair (2000), B.S., M.Ed., Ed.D. (Virginia Polytechnic Institute and State University)
THOMPSON, GREGORY, Assistant Professor of Spanish (2006), B.A., M.A., Ph.D. (University of Arizona)
THOMPSON, WILLIAM J., Undergraduate Coordinator, Associate Professor of Engineering (1995), B.S., M.S., Ph.D. (Arizona State University)
THORNTON, ROBERT, Instructor of Music (2002), M.M. (Indiana University)
TINSLEY, MAUREEN, Visiting Instructor of Education (2006), B.S., M.Ed. (University of Central Florida)
TOCCO, SUSAN, Courtesy Instructor of Nursing (2009), AA, BA, MS (University of Central Florida)
TODD, ANDREW D., Assistant Librarian (2004), B.S.N., M.A.L.I.S. (University of South Florida)
TOLLEFSON, KRISTINA, Associate Professor of Theatre (2000), B.A., M.F.A. (Purdue University)
TONG, MIN, Instructor Librarian (2008), B.A., M.L.I.S. (University of British Columbia)
TONNER, BRIAN P., Professor of Physics (1999), B.Sc., M.Sc, Ph.D. (University of Pennsylvania)
TOBIS, ALEXANDER, Associate Professor of Mathematics (1996), M.S., Ph.D. (University of Vermont)
TRINQUARD, CHARLOTTE, Assistant Professor of French (2007), M.A., Ph.D. (University of North Carolina, Chapel Hill)
TROMPETER, GREGORY M., Chairholder, C.G. Avery Professorship, Professor of Accounting (2009), B.S., M.B.A., Ph.D. (University of Delaware)
TROUARD, DAWN, Professor of English (1997), B.A., M.A. Ph.D. (Rice University)
TRUSCOTT, DALE, Visiting Instructor of Humanities and Religion (2009), B.A., M.Div., D. Min. (Graduate Theological Foundation)
TURGUT, DAMLA, Associate Professor of Electrical Engineering and Computer Science (2002), B.S., M.S., Ph.D (University of Texas at Arlington)
TURKSON, JAMES, Associate Professor (2005), Ph.D. (University of Alberta)
TZABBAR, DANIEL, Assistant Professor of Management (2005), B.A., M.A., Ph.D. (University of Toronto)
UDON, NIZAM, Professor of Statistics (2001), B.Sc., M.Sc, Ph.D. (Old Dominion University)
UNDERBERG, NATALIE, Assistant Professor of Digital Media (2004), B.A., M.A. Ph.D. (Indiana University)
UNDERWOOD, NORA, Instructor of Economics (2003), B.A., Ph.D. (University of California, Davis)
UNRUH, LYNN Y., Associate Professor of Health Services Administration (2000), R.N., B.S.N., M.A., Ph.D. (University of Notre Dame)
UHAR, HAROLD A., JR, Assistant Professor of Communication Sciences and Disorders (1981), B.S., M.S., Ph.D. (Florida State University)
UHTHECH, LAURIE, Instructor of English (2009), B.S., M.F.A. (University of Central Florida)
VADAKKEPATT, GAUTHAM, Assistant Professor of Marketing (2010), B.Tech., M.E., M.S., Ph.D. (Texas A&M University)
VAIDYANATHAN, RAJAN, Associate Professor of Engineering (2001), B.S., M.S., Ph.D (MIT)
VAJRAVELU, KUPPALAPALLE, Professor of Mathematics and Mechanical and Aerospace Engineering (1984), B.A., M.S., Ph.D. (Indian Institute of Technology)
VAJRAVELU, RANI, Instructor of Biology (1999), B.S., M.S., Ph.D. (University of Madras)
VALDES, ANNA, Instructor of Education (2009), B.A., M.A. (University of Central Florida)
VAHAN STAVHLAND, ERIC W., Dean and Director, Professor of Optics & EECS (1987), B.S., Ph.D. (University of Arizona)
VANRYCKEGHEM, MARTINE, Professor of Communication Sciences and Disorders (1994), B.S., M.S., Ph.D. (Southern Illinois University)
VASQUEZ, ELEAZAR, Assistant Professor (2009), B.S., M.S., Ph.D. (Utah State University)
VEIT, MARCIA R., Instructor of Accounting (1979), B.A., M.B.A. (University of Arkansas)
VELISSARIS, CHRISOST, Lecturer of Physics (2006), M.S., Ph.D. (University of Rochester)
VENCEK, JOHN T., Reference Services and Instructor Librarian (2008), B.A., M.A., M.S.L.I.S. (University of Illinois)
VERDUIN, MARCY, Assistant Dean for Students and Associate Professor of Psychology (2007), M.D. (University of Florida)
VERTY, NICOLE, Instructor (2009), M.S. (University of Central Florida)
VERKLER, KAREN W., Associate Professor of Education (1995), B.A., M.Ed., Ph.D. (University of Florida)
VERNON, BRIAN, Associate Professor of Theatre (2002), B.F.A., M.F.A. (The University of California, Irvine)
VEST, JENNIFER L., Assistant Professor of Philosophy and Humanities (2005), B.A., M.A., Ph.D. (University of California, Berkeley)
VIGGINAIO, CHARLES A., Instructor of Management (2001), B.S., M.B.A. (University of Central Florida)
VILLANUEVA-GHEILFA, CELESTINO A., Associate Professor of Spanish (1999), B.A., M.A., Ph.D. (Florida International University)
VITANOVA, GERCANA, Assistant Professor of TESOL (2003), B.A., M.A., Ph.D. (University of Cincinnati)
VITTES, M. ELLIOT, Associate Dean, Undergraduate Studies & Academic Services and Associate Professor of Political Science (1983), B.A., M.A., Ph.D. (University of Massachusetts)
von KALM, LAURENCE H., Associate Professor of Biology (1996), B.S., Ph.D. (Monash University, Australia)
VONHOLLE, MARY B., Assistant Professor of Biology (2007), B.S., Ph.D. (University of Tennessee at Knoxville)
VOSS, KIMBERLY W., Assistant Professor of Communication (2001), B.A., M.A., Ph.D. (University of Maryland)
WAGNER, MARGORIE J., Instructor of Communication (2003), B.A., M.S. (Murray State University)
WAGNER, ROBERT, Instructor of Physical Therapy (2003), M.S.P.T., D.P.T. (Temple University)
WAHID, PARVEEN, Professor School of Electrical Engineering and Computer Science (1984), B.S., M.S., Ph.D. (Indian Institute of Science, Bangalore)
WALKER, EZEKIEL A., Associate Professor of History (1998), B.A., M.A., Ph.D. (Michigan State University)
WALKER, JOHN H., Assistant Professor of Anthropology (2006), B.A., Ph.D. (University of Pennsylvania)
WALLACE, DAVID L., Professor of English (2001), B.A., M.A., Ph.D. (Carnegie Mellon University)
WALSH, ANTHONY, Clinical Faculty, Medical Laboratory Sciences (1991), Ph.D. (University of Florida)
WALTERS, CYNTHIA, Instructor of Education (2007), B.S., M.Ed. (Aquinas College)
WALTERS, LARRY, Clinical Professor and Director of Graduate Internships, Health Services Administration (2005), M.H.A. (Duke University)
WALTERS, LINDA J., Associate Professor of Biology (1996), B.S., M.S., Ph.D. (University of South Carolina)
WALTERS, LORI, Instructor (2003), B.A., M.A., Ph.D. (Florida State University)
WALTON, DEEDRA, Electronic Resources Librarian, College of Medicine (2009), M.L.S. (Texas Woman's University)
WAN, THOMAS, Secondary Joint Professor of Nursing and Secondary Joint Professor of Health Professions and Professor of Medical Education (2003), Ph.D. (University of Georgia)  
WANG, ALVIN Y., Professor of Psychology and Dean, Burnett Honors College (1987), B.A., Ph.D. (State University of New York at Stony Brook)  
WANG, JUN, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (University of Cincinnati)  
WANG, MORGAN CHUNG-CHING, Professor of Statistics (1993), B.S., M.S., Ph.D. (Iowa State University)  
WANG, XIAO HU, Assistant Professor of Hospitality Management (1991), B.S., M.S., Ph.D.  (Iowa State University)  
WANG, MORGAN CHUNG-CHING, Professor of Statistics (1993), B.S., M.S., Ph.D. (Iowa State University)  
WANG, ZE, Assistant Professor of Marketing (2010), B.B.A., Ph.D. (Kansas University)  
WARDLE, ELIZABETH, Associate Professor English and Director, Composition Program (2008), B.A., M.A., Ph.D. (Iowa State University)  
WARFIELD, SCOTT, Associate Professor of Music (2002), Ph.D. (University of North Carolina at Chapel Hill)  
WARING, SCOTT, Assistant Professor of Education (2005), B.S., M.A., Ph.D. (University of Virginia)  
WATKINS, R. CORY, Associate Professor of Criminal Justice (1998), B.S., M.S., Ph.D. (University of Cincinnati)  
WEaver, Deborah, Instructor of English (2004), B.A., M.A. (University of Central Florida)  
WEaver, EARL D., Assistant Professor of Theatre (2003), M.F.A. (University of California, Irvine)  
WEaver, RON, Research Associate, School of Film and Digital Media (2005), B.A., M.E.T. (Carnegie-Mellon University)  
WEaver, WILLIAM C., Associate Professor of Real Estate (1990), B.S., M.B.A., Ph.D. (Georgia State University)  
WEEKS, ARTHUR, Associate Professor School of Electrical Engineering and Computer Science (2003), B.S., M.S., Ph.D. (University of Central Florida)  
WEGER, HARRY, Associate Professor of Communication (2005), B.A., M.A., Ph.D. (University of Arizona)  
WEGMANN, SUSAN, Assistant Professor of Education (2005), B.A., M.A. Ph.D. (University of Florida)  
WEI, L., Associate Professor School of Electrical Engineering and Computer Science (2001), B.S., M.S., Ph.D (University of South Australia)  
WEIGEL, GREGORY, Instructor (2005), M.S. (University of Central Florida)  
WEINSTEIN, PATRICIA, Assistant Professor, College of Nursing (2009), M.S.N., Ph.D. (University of Central Florida)  
WEISHAMPEL, JOHN, Associate Professor of Biology (1995), B.S., M.A., Ph.D. (University of Virginia)  
WELCH, JUDITH K., Associate Professor of Accounting (1988), B.A., M.B.A., Ph.D. (Florida State University)  
WELKER, PATRICIA E., Instructor of Health Sciences (Radiologic Sciences) (1986), A.S., B.S., M.A. (Idaho State University)  
WEREMCHUK, GEORGE, Associate Professor of Music (1998), D.M.A. (University of Miami)  
WEST, LAWRENCE, Assistant Professor of Management (1996), B.A., M.B.A., Ph.D. (Texas A&M University)  
WHITE, KENNETH, Associate Professor of Economics (1968), B.S., M.B.A., Ph.D. (University of Oklahoma)  
WHITE, ROSEANN S., Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus (1969), Ph.D. (University of Texas S.W. Medical School)  
WHITEN, SHANNON, N., Associate Professor of History (2003), B.A., M.A., Ph.D. (Ohio State University)  
WHITE, ANN MARIE, Associate Professor of Finance (1998), B.B.A., M.B.A., Ph.D. (Florida Atlantic University)  
WIEKE, WENDY, Professor of Education (1998), B.S., M.S., Ed.D. (University of Northern Colorado)  
WILFORD, BUCKLEY, Senior Training NCO (2010)  
WILLAMS, LAURA, Courtesy Instructor of Nursing (2009), AA, BSN, MSN (University of Central Florida)  
WILLIAMS, KARRI J., Associate Professor of Education (1984), B.S., M.Ed., Ph.D. (University of Arizona)  
WILLIAMS, KENT E., Associate Professor of Engineering (1998), B.A., M.A., Ph.D. (University of Connecticut)  
WILSON, BRUCE M., Associate Professor of Political Science (1998), B.A., M.A., Ph.D. (Washington University, St. Louis)  
WILSON, NANCY, Associate Professor of Education (2005), B.S., M.Ed. (University of Illinois at Chicago)  
WINK, DIANE M., Professor, College of Nursing (1987), A.N.R.N., Ed.D. (University of Central Florida)  
WISE, WILLIAM, Associate Faculty of Education (1998), B.A., M.Ed., Ed.S., Ph.D. (University of Florida)  
WITTA, ELEANOR L., Associate Professor of Economics (2003), B.A., M.B.A., Ed.D. (University of Central Florida)  
WOLF, ROSS A., Assistant Professor of Criminal Justice (1999), B.A., M.P.A., Ed.D. (University of Central Florida)  
WOLF, JESSE, Lecturer of Film (2003), B.A., M.F.A. (American Film Institute)  
WOOD, ROBERT, Assistant Professor of Legal Studies (2003), B.F.A., M.A., J.D. (Tulane)  
WOOD, VANDY, Associate Professor of Theatre (2003), B.A., M.F.A. (University of North Carolina, Greensboro)  
WOOTEN, WILLIAM, Associate Professor of Psychology (1985), B.A., M.S., Ph.D. (Memphis State University)  
WRIGHT, JAMES D., Provost Distinguished Research Professor and Professor of Sociology (2001), B.A., M.S., Ph.D. (University of Wisconsin)  
WU, ANNE S., Associate Professor School of Electrical Engineering and Computer Science (1999), B.S.E., M.S.E., Ph.D. (University of Michigan)  
WU, SHIN-TSON, PROFESSOR Professor of Electrical Engineering and Computer Science (1998), B.A., M.A., Ph.D. (Washington University, St. Louis)  
WU, THOMAS X., Associate Professor School of Electrical Engineering and Computer Science (1999), B.S., M.S., Ph.D. (University of Pennsylvania)  
WUEHRMANN, NICHOLAS, Assistant Professor of Theatre (2005), B.A., M.M. (Kent State University)  
WYATT, MARY E., Associate Professor of Art (1990), B.D.A.E., M.F.A. (Florida State University)  
XU, CHENGYING, Assistant Professor of Engineering (2007), Ph.D. (Purdue University)  
XU, YUNJUN, Associate Professor of Engineering (2008), Ph.D. (University of Florida)  
YANG, CHENGYU, Assistant Professor of Economics (2005), B.S., M.S., Ph.D. (University of California Los Angeles)  
YE, JINGDONG, Assistant Professor of Chemistry (2008), B.S., Ph.D. (University of Chicago)  
YEH, GOUR-TSYH, Professor of Engineering (2000), B.S., M.S., Ph.D. (Cornell University)  
YOUNG, BETH RAPP, Associate Professor of English (1997), B.A., M.A., Ph.D. (University of Southern California)  
YOUNG, JONGMIN, Professor of Mathematics and Florida Space Institute and Secondary Joint Associate Professor of Physics and Photonics (1997), B.A., M.S., Ph.D. (University of Washington)  
YOUNG, DAVID O., Instructor of Communication (2002), B.M., M.F.A. (University of California)  
YOUNG, KURT, Assistant Professor of Psychology and African American Studies (2004), B.A., M.A., Ph.D. (Clark Atlanta University)  
YOUNG, MARK, Professor of Education (1999), B.A., M.S., Ph.D. (Miami University)
FACULTY AND ADMINISTRATION EMERITI

ABBOTT, DAVID W., Professor Emeritus of Psychology (1968), B.A., M.S., Ph.D. (University of Massachusetts)

ADICKS, RICHARD R., Professor Emeritus of English (1968), B.A.E., M.A., Ph.D. (Tulane University)

ANDERSON, BETTY, Professor Emeritus of Education (1968), B.A., M.Ed. (University of Maryland)

ANDERSON, HENRY, R., Professor Emeritus of Accounting (1983), B.A., M.S., Ph.D. (University of Missouri-Columbia)

ANDREWS, LARRY C., Professor Emeritus of Mathematics (1973), B.S., M.S., Ph.D. (Michigan State University)

ARMACOST, ROBERT L., Associate Professor Emeritus of Industrial Engineering and Management Systems (1991), B.S., M.S.O.R., D.Sc. (Georgia Institute of Technology)

ARMSTRONG, LEE H., Professor Emeritus of Mathematics (1968), B.A., M.S., Ph.D. (Florida State University)

BAKER, GRAELE M., Professor Emeritus of Chemistry (1968), B.S., M.S., Ph.D. (Montana State University)

BANDY, DALTON D., Chairholder, C.G. Avery Professorship, and Professor Emeritus of Accounting (1985), B.S., M.B.A., Ph.D. (University of Texas at Austin)

BARNES, BETH, Vice President Emerita, Office of the President, and Associate Professor Emeritus of English (1968), B.A., M.A., Ph.D. (University of North Carolina at Chapel Hill)

BARCH, STEVEN, Associate Professor Emeritus of Mathematics (1977), B.A., M.A., Ph.D. (University of Colorado)

BASS, Michael W., Professor Emeritus of Computer Science (1988), B.A., M.S., Ph.D. (University of Colorado)

BEINGEE, ROBERT A., Professor Emeritus of Biology and Microbiology (1968), B.S., M.S., Ph.D. (University of New Orleans)

BOLTE, JOHN R., Vice President Emeritus for Administration and Finance (1968), B.A., M.A., M.S., Ph.D. (State University of Iowa)

BOSE, SUBIR K., Professor Emeritus of Mathematics (1968), B.Sc., M.Sc., Ph.D. (University of Allahabad)

BRENNAN, JOHN J., Professor Emeritus of Mathematics (1968), B.S., M.S., Ph.D. (Georgia Institute of Technology)

BRIGHAM, ROBERT C., Professor Emeritus of Mathematics and Computer Science (1970), B.S., M.S., Ph.D. (New York University)

BRUMBAUGH, DOUGLAS K., Professor Emeritus of Education (1969), B.S., M.Ed., Ed.D. (University of Georgia)

BROWN, WAYNE A., Professor Emeritus of Psychology (1968), B.A., M.A., Ph.D. (University of Tennessee)

CALLARMAH, WILLIAM G., Associate Professor Emeritus of Management (1972), B.B.A., M.B.A., Ph.D. (Arizona State University)

CARROLL, WILLIAM F., Professor Emeritus of Engineering (1985), B.S., M.S., Ph.D. (University of Illinois), P.E. (California, Florida and Illinois)

COBB, S. A., Professor Emeritus of Accounting (1960), B.S., M.S., Ph.D. (University of Pennsylvania)

COEML, ROBERT H., Professor Emeritus of Foreign Languages and Literatures (1970), B.S., M.S., Ed.D. (Nova University)

CUNNINGHAM, GLENN N., Professor Emeritus of Chemistry (1968), B.S., M.S., Ph.D. (North Carolina State University)

DAVIS, DUANE L., Professor Emeritus of Marketing (1978), B.S., M.B.A., D.B.A. (University of Kentucky)

DEL-RIO, MARCELA, Professor Emeritus of Foreign Languages and Literatures (1990), B.A., M.A., Ph.D. (University of California-Irvine)

DENNING, RICHARD G., Professor Emeritus of Engineering Technology (1976), B.S.E., M.S., Ed.D. (University of Georgia), P.E. (Florida, Georgia)


EHRE, LELLYN M., Professor Emeritus of Biology Education (1969), B.S., M.S., Ph.D., University of Florida

FACULTY AND ADMINISTRATION EMERITI

ABBOTT, DAVID W., Professor Emeritus of Psychology (1968), B.A., M.S., Ph.D. (University of Massachusetts)

ADICKS, RICHARD R., Professor Emeritus of English (1968), B.A.E., M.A., Ph.D. (Tulane University)

ANDERSON, BETTY, Professor Emeritus of Education (1968), B.A., M.Ed. (University of Maryland)

ANDERSON, HENRY, R., Professor Emeritus of Accounting (1983), B.A., M.S., Ph.D. (University of Missouri-Columbia)

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BASS, Michael W., Professor Emeritus of Computer Science (1988), B.A., M.S., Ph.D. (University of Colorado)

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BRUMBAUGH, DOUGLAS K., Professor Emeritus of Education (1969), B.S., M.Ed., Ed.D. (University of Georgia)

BROWN, WAYNE A., Professor Emeritus of Psychology (1968), B.A., M.A., Ph.D. (University of Tennessee)

CALLARMAH, WILLIAM G., Associate Professor Emeritus of Management (1972), B.B.A., M.B.A., Ph.D. (Arizona State University)

CARROLL, WILLIAM F., Professor Emeritus of Engineering (1985), B.S., M.S., Ph.D. (University of Illinois), P.E. (California, Florida and Illinois)

COBB, S. A., Professor Emeritus of Accounting (1960), B.S., M.S., Ph.D. (University of Pennsylvania)

COEML, ROBERT H., Professor Emeritus of Foreign Languages and Literatures (1970), B.S., M.S., Ed.D. (Nova University)

CUNNINGHAM, GLENN N., Professor Emeritus of Chemistry (1968), B.S., M.S., Ph.D. (North Carolina State University)

DAVIS, DUANE L., Professor Emeritus of Marketing (1978), B.S., M.B.A., D.B.A. (University of Kentucky)

DEL-RIO, MARCELA, Professor Emeritus of Foreign Languages and Literatures (1990), B.A., M.A., Ph.D. (University of California-Irvine)

DENNING, RICHARD G., Professor Emeritus of Engineering Technology (1976), B.S.E., M.S., Ed.D. (University of Georgia), P.E. (Florida, Georgia)


EHRE, LELLYN M., Professor Emeritus of Biology Education (1969), B.S., M.S., Ph.D., University of Florida
<table>
<thead>
<tr>
<th>Name</th>
<th>Title and Affiliations</th>
</tr>
</thead>
<tbody>
<tr>
<td>KYSILKA, MARCELLA L.</td>
<td>Professor Emeritus of Biomedical Science, University of Central Florida (1981), B.S., M.S., Ph.D. (Michigan State University)</td>
</tr>
<tr>
<td>LECKIE, SHIRLEY A.</td>
<td>Professor Emeritus of History, University of Central Florida (1985), B.A., M.A., Ph.D. (University of Toledo)</td>
</tr>
<tr>
<td>MILLER, CALVIN C.</td>
<td>Dean and Professor Emeritus of Education, University of Central Florida (1967), B.A., M.Ed., Ed.D. (Florida State University)</td>
</tr>
<tr>
<td>MILLER, ERNEST E.</td>
<td>Professor Emeritus of Education, University of Central Florida (1969), B.S., M.S., Ed.D. (University of North Dakota)</td>
</tr>
<tr>
<td>MULLEN, THOMAS A.</td>
<td>Associate Professor Emeritus of Communication and Statistics, University of Central Florida (1969), B.A., M.A., Ph.D. (University of Louisville)</td>
</tr>
<tr>
<td>MANS, STUART E.</td>
<td>Professor Emeritus of English, University of Central Florida (1969), B.A., M.A., Ph.D. (University of North Carolina)</td>
</tr>
<tr>
<td>PAUL, GORDON W.</td>
<td>Professor Emeritus of Marketing, Michigan State University (1977), B.S., M.B.A., Ph.D. (Michigan State University)</td>
</tr>
<tr>
<td>PAULEY, FRANK F.</td>
<td>Professor Emeritus of History, University of Central Florida (1971), B.A., M.A., Ph.D. (University of Rochester)</td>
</tr>
<tr>
<td>PHILLIPS, RONALD L.</td>
<td>Professor Emeritus of Engineering Science and Mathematics, University of Central Florida (1970), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)</td>
</tr>
<tr>
<td>RODRIGUEZ, RICK S.</td>
<td>Professor Emeritus of Education, University of Central Florida (1985), B.S., M.S., Ph.D. (University of Southern California)</td>
</tr>
<tr>
<td>ROLLINS, JAMES B.</td>
<td>Professor Emeritus of Psychology, University of Central Florida (1969), B.S., M.S., Ph.D. (University of Georgia)</td>
</tr>
<tr>
<td>RUBIN, RONALD S.</td>
<td>Professor Emeritus of Marketing, University of Central Florida (1972), B.A., M.A., Ph.D. (University of Massachusetts)</td>
</tr>
<tr>
<td>SALTER, JOHN H. III</td>
<td>Chairholder, Emeritus Professor Emeritus of Accounting, University of Central Florida (1975), B.S., M.S., Ph.D. (Louisiana State University)</td>
</tr>
<tr>
<td>SILLVAN, MARY J.</td>
<td>Professor Emeritus of Anthropology, University of Central Florida (1979), B.S., M.S., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>SLENAK, FRANK F.</td>
<td>Professor Emeritus of Biology, University of Central Florida (1970), B.S., M.S., Ph.D. (Cornell University)</td>
</tr>
<tr>
<td>SOMERVILLE, PAUL N.</td>
<td>Professor Emeritus of Statistics, University of Central Florida (1972), B.S., M.S., Ph.D. (University of North Carolina)</td>
</tr>
<tr>
<td>SNEIDER, ROBERT D.</td>
<td>Professor Emeritus of Chemistry, University of Central Florida (1976), B.A., M.S., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>STEGMANN, GEORGE I.</td>
<td>Professor Emeritus of Molecular Biology and Microbiology, University of Central Florida (1979), B.A., M.S., M.P.H. (University of Florida)</td>
</tr>
<tr>
<td>TAYLOR, JAMES H.</td>
<td>Professor Emeritus of Engineering, University of Central Florida (1972), B.S., M.S., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>TAYLOR, K.</td>
<td>Professor Emeritus of Communication, University of Central Florida (1971), B.S., M.S., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>TAYLOR, MICHAEL D.</td>
<td>Professor Emeritus of Mathematics, University of Central Florida (1968), B.A., M.S., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>THOMAS, MARSHA</td>
<td>Professor Emeritus of Psychology, University of Central Florida (1971), B.A., M.A., Ph.D. (Tulane University)</td>
</tr>
<tr>
<td>THOMAS, MARGARET H.</td>
<td>Professor Emeritus of Psychology, University of Central Florida (1971), B.A., M.A., Ph.D. (Tulane University)</td>
</tr>
<tr>
<td>TUCKER, RICHARD D.</td>
<td>Professor Emeritus of Psychology, University of Central Florida (1972), B.A., M.A., Ph.D. (Emory University)</td>
</tr>
<tr>
<td>WYNON, EDGAR B.</td>
<td>Associate Professor Emeritus of Forensic Science, University of Central Florida (1969), B.S., M.S., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>WYCOFF, ROBERT D.</td>
<td>Professor Emeritus of Education, University of Central Florida (1972), B.S., M.S., Ph.D. (University of Florida)</td>
</tr>
<tr>
<td>YOUSEF, YOUSEF A.</td>
<td>Professor Emeritus of Communication, University of Central Florida (1970), B.S., M.B.A., Ph.D. (Florida State University)</td>
</tr>
<tr>
<td>YOUSEF, YUSEF A.</td>
<td>Professor Emeritus of Engineering, University of Central Florida (1970), B.S., M.B.A., Ph.D. (Florida State University)</td>
</tr>
</tbody>
</table>
COURTESY APPOINTMENTS

ABDELRAHIM, MAEN A., Courtesy Associate Professor Biomolecular Science Center (2008), B.Sc. in Pharmacy, Ph.D. (Texas A&M University, College Station)

AGUIRRE, LILLIAN, Courtesy Instructor of Nursing (2009), BS, MS (University of Central Florida)

ANAGNOSTOPOULOS, GEORGIOS, Courtesy Assistant Professor (2007), PSP, M.S., Ph.D. (University of Central Florida)

ARELLANO, ROBERTO, Courtesy Assistant Professor (2009), Ph.D.

AUER, JACOB D., Courtesy Associate Professor of Anthropology (2007), Ph.D. (University of Chicago)

BAKER, PETER, Courtesy Professor (2006), MA, PhD (George Mason University)

BALLANTYNE, JOHN, Courtesy Professor (1980), M.S., Ph.D. (University of Southern California)

BALLESTEY, TIMOTHY, Courtesy instructor (2008), B.S., M.A. (University of Central Florida)

BARBER, RICHARD, Courtesy Professor of Biology (2009), M.S., Ph.D. (University of Central Florida)

BATH, KELLY, Courtesy Assistant Professor (2006), Ph.D. (University of North Carolina)

BEATTY, SCOTT, Courtesy Assistant Professor (2009), B.A., M.S., Ph.D. (University of Florida)

BENGEL, TIMOTHY, Courtesy Associate Professor of Chemistry (1997), B.A., M.S. (University of Central Florida)

BERESFORD, JAY, Courtesy Instructor of Biology (2009), B.S., M.A., M.Ed. (University of Central Florida)

BERG, RICHARD, Courtesy Assistant Professor (2009), Ph.D. (University of Central Florida)

BETTIGER, TAMARA, Assistant Professor of Biology (2003), (Oklahoma State University)

BIELITZKI, JOSEPH, Secondary Joint Professor Biomolecular Science Center (2006), D.V.M. (University of Illinois at Urbana-Champaign)

BILLOS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopaedic Medicine/ D.O. (Philadelphia College of Osteopathic Medicine)

BONDAR, MYKHAILO, Visiting Assistant Professor of Chemistry B.S., M.S., Ph.D. (Institute of Physics, Kiev, Ukraine)

BRANCH, LEONARD, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MA, PhD (University of Kansas)

BRUNELL, MARY LOU, Instructor, College of Nursing (1980), M.S.N. (University of Pennsylvania)

CALESTANI, CRISTINA, Secondary Joint Assistant Professor of Biomolecular Science Center (2003), Ph.D. (University of Parma, Italy)

CAMDESSANCA, JEAN-PHILIPPE, Courtesy Visiting Scientist-Biomolecular Science Center (2007), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neuroscience (Claude Bernard University, Lyon France)

CARLSON, JOHN K., Research Assistant Professor of Biophysics (2003), (University of Mississippi)

CHAMILNI, ALI, Courtesy Associate Professor of Neurosurgery (2007)

CHANG, NI-BIN, Secondary Joint Professor of Industrial Engineering and Management Systems (2009), BS, MS, Ph.D (Cornell University)

CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), M.D. (University of Alabama at Birmingham)

CHITTICK, ELIZABETH, Assistant Research Professor of Biology (2002), (Tufts University)

CHOW, LOUIS C., Secondary Joint Professor of Optics & Photonics (2005), M.S., Ph.D. (University of California, Berkeley)

COBB, KATHY, Courtesy Adjunct Instructor, Educational Research, Technology, and Leadership (2007), J.D. (Stetson University)

COFFEY, KEVIN, Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.A., B.S., M.S., PhD (Massachusetts Institute of Technology)

COLUMBUS, GENE, Department of Theatre (2000)

COK, CLAYTON B., Professor of Biology (2002), B.A., Ph.D. (Duke University)

CRANIS, PETER, Associate Faculty of Communication (2002), (University of Central Florida)

DE FREESE, DUANE, Professor of Biology (2001), B.S., M.S., Ph.D. (Florida Institute of Technology)

de LA ROSA, CARLOS L., Associate Professor of Biology (1998), B.S., Ph.D. (University of Pittsburgh)

DEATON, JOHN, Assistant Professor of Psychiatry (1994), B.A., M.A., Ph.D. (Catholic University of America, Washington, D.C.)

DEFREES, DUANE, Visiting Associate Scientist and Interim Director, UCF Institute for Environmental Sustainability. (2009), B.S., M.S., Ph.D. (Florida Institute of Technology)

DELACROIX, JR., BERNARD C., Courtesy Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (Ohio State University)

DEMARA, RONALD F., Secondary Joint Associate Professor, School of Computer Science (2004), B.S., M.S., Ph.D. (University of Southern California)

DEMPSEY-WALLS, SUSAN, Courtesy Clinical Faculty, College of Nursing (2005), B.S.N., M.S.N. (University of California at Los Angeles)

DEYRUP, MARK, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Washington)

DHERE, NEELKANTH, Research Professor of Mechanical Engineering and Secondary Joint Professor of Electrical Engineering and Secondary Joint Professor of Materials Science and Engineering (1990), B.S., M.S., Ph.D. (University of Poona, Pune, India)

DOGARIU, ARISTIDE, Secondary Joint Associate Professor School of Electrical Engineering and Computer Science (1995), Ph.D. (Hokkaido University)

DOLSKIE, MICHELLE, Courtesy Clinical Assistant Professor of Psychology (2009), BS, MA, PhD (University of Alabama at Birmingham)

DOLSKIE, MICHAEL A., Courtesy Professor of Health Services Administration; Courtesy Professor of Internal Medicine (2000), B.A., M.P.A., M.D. (Johns Hopkins School of Medicine, Baltimore)

DRAKE, JASON, Courtesy Research Assistant Professor of Biology (2004), B.S., M.S., Ph.D. (University of Maryland)

DUCARME, ALFRED, Courtesy Assistant Professor of Optics and Photonics. (2005), B.S., E.E., PhD (University of Central Florida)

DUPRAS, TOSHA LEA, Secondary Joint Assistant Professor of Biology (2003), B.A., M.S., Ph.D. (McMaster University)

DURANCEAU, STEVEN, Secondary Joint Associate Professor of Nanoscience (2009), AA, BS, MS, PhD (University of Central Florida)

EASTES, RICHARD W., Secondary Joint Assistant Professor of Electrical Engineering (2006), B.S., M.A., Ph.D. (The Johns Hopkins University)

FIELD, MELVIN, Courtesy Associate Professor Biomolecular Science (2006), M.D. (University of Florida), Diplomat of the National Board of Medical Examiners

FOLSE, KEITH, Secondary Joint Associate Professor (2009), MA, PhD (University of South Florida)

FRANKLIN, RAYMOND, Clinical Faculty, M.S., Department of Molecular Biology and Microbiology; Courtesy Assistant Professor of Pathology M.D., Ph.D. (University of Texas)

FRIEDMAN, DAVID, Courtesy Adjunct Professor of Biology (2003)

FRISTROM, JAMES W., Courtesy Research Professor of Biology (2004), B.A., Ph.D. (Rockefeller University)

FULLERTON, STUART, Biological Research Associate (1995), B.S. (University of Central Florida)

FULTON, ROLLAND, Courtesy Associate Professor of Biology (2004), B.A., Ph.D. (Duke University)

GARIBAY, IVAN, Secondary Joint Instructor School of Electrical Engineering and Computer Science (2007), Ph.D. (University of Central Florida)

GARLAND, JAY, Associate Research Professor of Biology (2002), B.S., M.S. (University of Virginia)

GESQUIERRE, ANDREQ, Secondary Joint Assistant Professor of FSEC (2009), BS, PhD (Catholic University of Leuven)

GHAMARI-TABRIZI, SHARON, Courtesy Research Associate (2009), PhD (University of California)

GOLDBERG, STEVEN, Courtesy Associate Professor of Psychology, Chief, Orlando Field Unit, US Army Research Institute (1994), B.A., Ph.D. (State University of New York at Buffalo)

GOLDIZ, BRIAN, Deputy Director and Principal Investigator of the Institution of Simulation and Training and Secondary Joint Assistant Professor of Industrial Engineering and Management Systems (2006), B.S., M.S., Ph.D. (University of Central Florida)

GOODMAN, IRA, Courtesy Associate Professor Biomolecular Science Center (2006), B.S., M.D. (Medical College of Pennsylvania), Board certified, Neurology (American Board of Psychiatry and Neurology)

GOODWIN, KENNETH, Courtesy Assistant Director, Career Services and Experiential Learning (2006)

GORDIN, PATRICIA, Courtesy Adjunct - Educational Research, Technology & Leadership (2007)

GORHAM, JAYNE S., Courtesy Adjunct (2007), Ed.D. (Nova Southeastern University)

GUARDA, LUIS A., Courtesy Professor, Medical Laboratory Sciences; Courtesy Associate Professor of Pathology, (2005), M.D. (University of Chile)

HEINONEN, OLLE, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)

HERBST, LAURENCE, Assistant Research Professor of Biology (2002), B.A., M.S., D.V.M., Ph.D. (University of Florida)

HERNANDEZ, FLORENCIO E., Secondary Joint Assistant Professor of Optics & Photonics. (2004), B.S., Ph.D. (Universidad Central de Venezuela)

HICKEY, MICHAEL H., Associate Professor of Physics (2003), Ph.D. (La Trobe University)

HICKMAN, JAMES, Secondary Joint Professor (2009), MS, PhD (Massachusetts Institute of Technology)
HICKMAN, JAMES, Secondary Joint Professor School of Electrical Engineering and Computer Science (2004), Ph.D. (Massachusetts Institute of Technology)
HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)
HOLSENBECK, DANIEL, Courtesy Professor of Communication (2005), B.S., M.B.A., Ph.D. (Florida State University)
HORN, GORDON, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., MA, PhD (Saint Louis University)
HUANG, XU, Assistant Professor of Psychology (2009), B.S., M.S., M.B.A., Ph.D. (Southwestern University of Finance and Economics)
HUBSCH, TRISTAN, Courtesy Graduate Faculty Scholar (2009), B.S., PhD (University of Maryland)
JARVIS, JOHN, Courtesy Research Associate Professor of Sociology (2006), B.A., B.S., M.A., Ph.D. (Virginia University)
JEDLICA MORRIS, LORI, Courtesy Research Associate Professor of Biology (2006), M.A. (College of William and Mary)
JOHNSON, ERIC, Secondary Joint Professor School of Electrical Engineering and Computer Science (2000), Ph.D. (University of Alabama)
JOHNSON, NANCY M., Courtesy Clinical Nurse Specialist (2006), B.S., M.S.N. (University of Evansville, Indiana)
KACHURIN, ANATOLY, Courtesy Assistant Professor of Molecular Biology and Microbiology (2004), Ph.D. (Russian Academy of Science, St. Petersburg Nuclear Physics Institute)
KAPLAN, MICHAEL, Professor of Psychology Ph.D. (Columbia University)
KAPOOR, VIKRAM, Courtesy Professor of Electrical & Computer Engineering (2004), Ph.D (Lehigh University)
KAR, ARAVINDA, Secondary Joint Associate Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Illinois at Urbana-Champaign)
KELLY, DANIEL P., Courtesy Professor of Biomedical Sciences, Biomedical Science Center (2008), M.D.
KENNEDY, ROBERT S., Professor of Psychology B.A., M.A., Ph.D. (University of Rochester)
KENNY, ROBERT F., Assistant Professor of School of Film and Digital Media and Secondary Joint Assistant Professor of Educational Research, Technology, and Leadership (2005), B.A., B.A., M.A., Ph.D. (University of Florida)
KHONDAKER, SAIFUL, Secondary Joint Professor (2009), BS, MS, PhD (University of Cambridge)
KIM, JONG, Courtesy Research Scientist (2009), BS, MS, PhD (Pennsylvania State University)
KINCAD, J. PETER, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education B.A., M.A., Ph.D. (Ohio State University)
KRUPP, LINDA, Courtesy Adjunct Instructor, Educational Studies (2007), Ed.D. (University of Florida)
KUCHMA, MELISSA, Courtesy Visiting Scientist (2006), Ph.D. (Massachusetts Institute of Technology)
KURJACK, EDWARD, Courtesy Professor of Anthropology (2001), Ph.D. (Ohio State University)
KYLE, TIFFANY LINKOVICH, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)
LAIL, BRIAN A, Courtesy Assistant Professor of Electrical Engineering and Computer Science (2005), B.S., M.S., M.S. E.E., Ph.D.E.E. (New Mexico State University, Las Cruces, New Mexico)
LEE, HAEJONG, Courtesy Research Associate in Public Affairs (2005), Ph.D (Yonsei University, Seoul, Korea)
LEHMANN, JEFFREY, Clinical Professor in Communication Sciences and Disorders; Courtesy Assistant Professor of Otolaryngology (2003), (University of Wisconsin)
LELI, DANO, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MS, PhD (University of South Florida)
LEUENBERGER, MICHAEL N., Secondary Joint Assistant Professor of Electrical and Computer Engineering (2005), B.S., M.S., Ph.D. (University of Basel, Switzerland)
LI, GUIFANG, Secondary Joint Associate Professor School of Electrical Engineering and Computer Science (1997), Ph.D. (University of Wisconsin-Madison)
LIEBERMAN, R. JANE, Chair and Professor of Communication Sciences and Disorders (2003), B.S., M.S., Ph.D. (University of Florida)
LIKAWA, PATRICK L., Secondary Joint Associate Professor School of Electrical Engineering and Computer Science (1993), Ph.D. (University of Sheffield)
LILIE, JOYCE R., Associate Professor of Political Science (1985), B.A., M.A., Ph.D. (Johns Hopkins University)
LOCALBO, ANTHONY, Courtesy Clinical Assistant Professor of Psychology (2009), BA, MA, PhD (University of Alabama at Birmingham)
LOUGHER, BARRY A., Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education D.D.S., M.S., Ph.D. (University of Florida)
MARATHE, SHIRAM, Courtesy Assistant Professor - Public Affairs (2007), Martin, Lawrence, Professor, Public Administration and Public Affairs, Joint Appointment (2004), Ph.D. (Arizona State University)
MASUNOV, ARTEM, Secondary Joint Assistant Professor of FSEC and Physics (2003), BS, MS, PhD (The City University of New York)
MAYER, DAVID, Secondary Joint Appointment, Assistant Professor of Psychology (2005), McNEES, PATRICIA, Courtesy Faculty Associate, School of Nursing (2002), University of Florida
MCPHERSON, BRENDA, Faculty Associate, Educational Studies (2003), MEDIN, A. LOUIS, Professor of Engineering Ph.D. (Ohio State University)
MEES, SANFORD, Courtesy Graduate Faculty Scholar (2009), BS, MS, PhD (University of Florida)
MELLEN, JILL, Assistant Research Professor of Biology (1999), B.S., M.S., Ph.D. (University of California, Davis)
MENGES, ERIC, Assistant Professor of Biology (1994), B.S., M.S., Ph.D. (University of Wisconsin)
MIHAL, FLORIN, Secondary Joint Assistant Professor (2009), MS, PhD (Flord State University)
MILLS, HARRY, Courtesy Clinical Assistant Professor of Psychology (2009), PhD (University of Southern Mississippi)
MORRIS, LORI JEDICA, Courtesy Research Associate Professor of Biology (2004), B.S., M.S. (College of William and Mary)
MUNDY, CAROL, Courtesy Culture Keeper (2009)
NADEAU, JEANETTE A., Secondary Joint Assistant Professor of Biomolecular Science Center (2003), Ph.D. (University of California, Davis)
NAHLER, JODI, Courtesy Clinical Assistant Professor of Psychology (2009), BA, PhD (Nova University)
NICHOLS, JAMES, Courtesy Professor of Biology (2004), B.S., M.S., Ph.D. (Michigan State University)
NICHOLSON, DENISE, Secondary Joint Assistant Professor of Industrial Engineering and Management Systems (1997), B.S., M.S., Ph.D. (University of Arizona)
ODELL, DANIEL KEITH, Professor of Biology (1994), B.S., M.A., PhD. (University of California, Los Angeles)
OGDEN, JACQUELINE J., Assistant Research Professor of Biology (1999), B.S., M.S., Ph.D. (Georgia Institute of Technology)
ONEAL, THOMAS, Secondary Joint Assistant Professor (2005), B.S., M.S., M.B.A., Ph.D. (University of Central Florida)
ONIK, GARY M., Clinical Faculty, Physical Therapy; Professor of Radiology M.D. (New York Medical College)
PARKINSON, CHRISTOPHER, Assistant Professor of Biology (2000), Ph.D. (University of Louisville)
PATTISAPU, JOGI, Courtesy Assistant Professor of Molecular Biology and Microbiology (2003), M.D. (University of Texas Medical Branch)
PEALE, ROBERT E., Secondary Joint Professor of Optics & Photonics. (2004), B.A., M.S., Ph.D. (Cornell University)
PHANSTIEL, OTTO, Associate Professor of Chemistry (1995), Ph.D. (University of Florida)
PHILLIPS, RONALD L., Secondary Joint Professor of Optics & Photonics. (2004), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)
PICOU, STEVEN, Courtesy Professor of Sociology (2004), B.A., M.A., Ph.D. (Louisiana State University)
PRITCHARD, PETER C. H., Professor of Biology (1994), B.A., M.A., Ph.D. (University of Florida)
PRITCHARD, ROBERT D., Professor of Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)
PROVENCHER, DAVID, Courtesy Faculty Research Associate (2009), SSE (University of Central Florida)
PURMENSKY, KERRY, Secondary Joint Associate Professor (2009), MS, PhD (Southern Illinois University)
REBURN, CATHARINE JEAN, Assistant Research Professor of Biology (2002), BSCH, MSC, Ph.D. (Queen's University)
REDFOOT, WILLIAM, Research Associate in Biology (1999), B.A., M.A., M.S. (University of Central Florida)
REED, JOHN, Courtesy Professor, College of Medicine (2006), M.D., Ph.D., B.A. (University of Pennsylvania)
RICHARDSON, MARTIN, Professor of Optics (1990), B.S.C., A.R.C.S., Ph.D. (University of London)
SALISBURY, BRIAN, Courtesy Adjunct Faculty - Art (2008)
SCHNEIDER, KIMBERLY, Research Assistant Professor (2009), BS, PhD (University of South Carolina)
SCHULTE, ALFONS, Secondary Joint Associate Professor of Optics & Photonics. (2004), Dr. rer. nat. (Technische Universität Munich)
SCHUTZ, LARRY, Courtesy Clinical Professor (2007), Ph.D., ABPP
SELBY, THOMAS, Assistant Professor of Chemistry  
(2002), Ph.D. (Ohio State University)

SHAH, MUBARAK A., Secondary Joint Professor of Optics and Photonics  
(1986), B.E., M.S., Ph.D. (Wayne State University)

SHERIN, KEVIN, Courtesy Associate Professor of Public Affairs; Courtesy Associate Professor of Family Medicine  
(2008), B.A., M.P.H., M.D. (Loyola University of Chicago School of Medicine)

SHERMAN, JAY DAVIN, Courtesy Adjunct Instructor  
(2006), Ph.D. (Texas A&M University)

SHUGAN, STEVE, Professor, Marketing  
(2003), (Northeastern University)

SHUNKER, RANDALL P., Secondary Joint Professor of Electrical & Computer Engineering  
(2004), Ph.D. (University of Pennsylvania)

SILFAVST, WILLIAM, Professor Emeritus of Optics  
(1960), B.S., Ph.D. (University of Utah)

SILVER, PATRICIA, Courtesy Assistant Professor  
(2009), MA, PhD (American University)

SIMPSON, PHILIP LOCKWOOD, Courtesy Adjunct Instructor of Educational Studies  
(2006), B.A., M.A., Ph.D. (Southern Illinois University)

SINGER, MICHAEL JAMES, Courtesy Faculty Associate, Psychology  
(2005), B.A., M.S., Ph.D. (University of Maryland)

SOILEAU, M. J., Secondary Joint Professor School of Electrical Engineering and Computer Science  
(2004), Ph.D. (University of Southern California)

SOLTIS, JOSEPH, Courtesy Research Assistant Professor of Biology  
(2004), B.A., M.A., Ph.D. (University of California, Los Angeles)

SORLOACIA-HICKMAN, NICOLETA, Assistant Professor, Solar Energy and Secondary Joint Visiting Assistant Professor of NanoScience Technology  
(2008), Ph.D., M.S., (Clemson University)

STAMPER, MICHAEL, Assistant Research Professor of Biology  
(2002), B.S., D.V.M. (Purdue University)

STEPHAN, MICHELLE, Courtesy Graduate Faculty Scholar  
(2009), BS, MS, EdD (Vanderbilt University)

STERN, ALAN, Courtesy Graduate Faculty Scholar  
(2009), BS, BS, MS, PhD (University of Colorado)

STERN, JONATHAN S, Assistant Professor of Biology  
(2002), B.A., M.A., Ph.D. (Texas A&M)

STEWARD, DUANE, Secondary Joint Assistant Professor of Medical Education  
(2007), Ph.D.

STREIFER, JAMIE, Courtesy Adjunct Instructor  
(2009), BM, MM (University of South California)

SUH, JUN, Courtesy Professor School of Electrical Engineering and Computer Science  
(2007), Ph.D. (Carnegie Mellon University)

SULLIVAN, JEROME L., Courtesy Associate Professor Biomolecular Science Center  
(2006), M.D. (University of Florida College of Medicine)

SUMM, JUSTIN M., Courtesy Assistant Professor  
(2008), Ph.D.

SWEEKEY, PAUL D., Professor of Psychology  
(1999), M.S., Ph.D. (Indiana University)

THOMPSON, CHARLES, Courtesy Associate Professor Biomolecular Science Center  
(2006), M.D. (University of Miami School of Medicine)

VALDES, EDUARDO V., Associate Research Professor of Biology  
(2002), M.S., Ph.D. (University of Guelph)

WAN, REN, Associate Professor of Electrical Engineering and Computer Science  
(2004), B.S., M.S., Ph.D. (University of Nottingham)

WEEKS, ARTHUR, Secondary Joint Associate Professor of Optics & Photonics  
(2004), B.S., M.S.E.E., Ph.D. (University of Central Florida)

WESTERVELD, MICHAEL, Courtesy Clinical Assistant Professor of Psychology  
(2009), BS, PhD (Fairleigh Dickinson University)

WHEELER, RAYMOND, Professor, Biology  
(2003), (Utah State University)

WHITCOMB, CARRIE, Professor of Forensic Science  
(1999), B.S., M.S.F.S. (George Washington University)

WIEGAND, RUDOLF, Secondary Joint Assistant Professor of Electrical Engineering and Computer Science  
(2007), Ph.D. (George Mason University)

WILLIS, JAYNE, Courtesy Clinical Faculty, College of Nursing  
(2005), B.S.N., M.S.N. (University of Florida)

WITHINGTON, BLAIR ERNEST, Research Assistant Professor, Biology  
(1999), B.S., M.S., Ph.D. (University of Florida)

WOCJAN, PAWEL, Secondary Joint Assistant Professor  
(2009), MS, PhD (University of Karlsruhe)

WONG, BRIGHT, Courtesy Associate Professor of Biomolecular Science  
(2006), B.S., MD (Boston University School of Medicine)

WU, SHIN-TSON, Secondary Joint Associate Professor of Electrical and Computer Engineering  
(2004), B.S., Ph.D (University of Southern California)

WU, THOMAS XINZHANG, Secondary Joint Associate Professor  
(2009), BS, MS, PhD (The Moore School of Electrical Engineering)

YOUNG, JIM, Courtesy Adjunct Instructor, Educational Studies  
(2007), Ph.D. (Florida Institute of Technology)

ZARDA, P. RICHARD, Professor of Mechanical Engineering  
(2008), B.S., B.S., M.S., Ph.D. (Columbia University)

ZENGHU, CHANG, Courtesy Graduate Faculty Scholar  
(2009), BE, MS, PhD (Chinese Academy of Science)

ZHAI, LEI, Secondary Joint Assistant Professor FSEC and MMAE  
(2009), B.S., M.S., Ph.D. (Carnegie Mellon University)

ZHANG, NING, Secondary Joint Assistant Professor  
(2008), MPA, MD, PhD (Virginia Commonwealth University, Shandong Medical University)

ZHAO, JIM JIAN, Clinical Faculty, Health Services Administration  
(2003), M.B.A., M.D., Ph.D. (Oxford University)

ZENGHU, CHANG, Courtesy Graduate Faculty Scholar  
(2009), BE, MS, PhD (Chinese Academy of Science)
UCF Administrative Officers and Staff

ADMINISTRATIVE OFFICERS AND STAFF

ABNEY, BARBARA COMPTON, Director, Marketing/Communications, Office of Research & Commercialization (1997), B.S. in Journalism (University of Florida)

ABRAMSON, ALLEN, Director, Human Resources, College of Medicine (2007), B.A. (Indiana University)

ARCHER, SANDRA, Director, University Analysis and Planning Support (2004), B.A., M.S. (University of Central Florida)

AZURE, BEVERLY, Director, Academic Services (2000), B.S., M.A. (University of Central Florida)

BALANOFF, JANET P., Director, Equal Opportunity and Affirmative Action Programs (1980), B.S.J., M.S.P.A. (Florida State University)

BAMBERGER, ALICE, Director (2003), B.A., M.S. (Iona College)

BARNICKEL, AMY, Senior Executive Assistant to the President (1994), B.A., M.A. (University of Central Florida)

BEARY, RICHARD, Director, University Police (2007), B.A., M.S. (University of Central Florida)

BERRY, ANDREA, Director, Faculty Development, College of Medicine (2009), B.S.P.A. (University of Central Florida)

BERSIA, JOHN, Special Assistant to the President, Global Perspectives (2001), M.A., M.S. (London School of Economics)

BISHOP, PATRICIA J., Vice Provost and Dean, College of Graduate Studies, and Professor of Engineering (1978), B.S.E., M.S.M.E., Ph.D. (Purdue University), P.E. (Florida)


BOSTON, BELINDA, Director, Fraternity and Sorority Life (2004), B.S., M.S. (Western Illinois University)

BOYD, BRIAN, University Registrar (2006), B.S., M.B.A. (University of Wisconsin - Milwaukee)

BRADLEY, LINDA, Assistant Vice President and Director, UCF Daytona Beach (2007), B.A., M.S., Ph.D. (Florida State University)

BRADY, PAMELA A., Director, Student Services, Western Region (1990), A.A., B.A. (University of Central Florida)

BROWN, VICTORIA, University Ombuds Office (1990), B.A. (University of Central Florida)

CHANDIA, NATALY, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

CHASE, DIANE Z., Vice Provost, Academic Affairs, University Pegasus Professor and Professor of Anthropology (1984), B.A., Ph.D. (University of Pennsylvania)

CHAVIS, JR., GORDON D., Associate Vice President for Undergraduate Admissions, Student Financial Assistance, and Student Outreach (1999), B.A., J.D. (Georgetown University)

CHEREPOW, SANDRA M., Senior Administrative Assistant to the President (1972), A.A. (Becker Junior College)

CLARK, TRACY, University Controller (2008),

COLEBURN, TREVOR, President Emeritus, Professor of History, and Special Assistant to the UCF Foundation Chief Executive Officer (1978), B.A., M.A., M.A., Ph.D. (Johns Hopkins University)

COLE, W. SCOTT, Vice President & General Counsel (2002), B.S., J.D. (University of Florida)

CRAWFORD, BRAD, Director, Campus Facilities and Maintenance (1999), M.B.A. M.Div. (The Southern Baptist Theological Seminary)

DONEGAN, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)

DORNER, JOYCE E., Interim Vice Provost of Regional Campuses (1980), M.S.N. (University of Florida)

DRESSLER, SHERI, Director, Experiential Learning (1982), B.A., M.S.W., Ph.D. (University of Florida)


EHASZ, MARIBETH, Vice President for Student Development and Enrollment Services (1994), B.A., M.A., Ph.D. (University of Toledo)

EDWIN, SHARON L., Associate Vice President, Student Development and Enrollment Services (1990), B.A., M.P.A., Ed.D. (University of Central Florida)

EXUM, TERRY, Director, Student Services, Southern Region (2006), B.S., M.A. (Louisiana Tech University)

FERNANDEZ, JOSE, Dean, Professor of Spanish and History (1981), B.A., M.A., Ph.D. (Florida State University)

FORTIER, VANESSA, Associate Vice President, Finance (1998), B.S.B.A., M.B.A. (University of Central Florida)

FREDERICK, TERRY J., Associate Dean, College of Arts & Humanities, Professor of Digital Media, and Distanced Service Professor of Computer Science (1975), B.S., M.S., Ph.D. (University of Central Florida)

GARDNER, DAN, Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)

GEBERT, MATTHEW, Director, Knowledge Management, College of Medicine (2008), Ph.D. (University of Central Florida)

GERMAN, DEBORAH C., Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)

GLASIE, HENRY, Director, IT, College of Medicine (2002), M.S.I.E. (University of Central Florida)

GONZALEZ, LYNN, Associate Vice President, Budget and Personnel Administration (1991), B.A., M.B.A. (University of Central Florida)

GRAY, BETSY L., Associate Director, Office of Research & Commercialization, and Chief Operating Officer, UCF Research Foundation (1972), B.S.B.A. (University of Central Florida)

GUMBLE, MARK, Director, Academic Services for Student Athletes (2005), B.A., M.A. (Binghamton University)

HALL, RHONDA C., Director, Student Outreach Programs (1993), B.A., M.A. (University of Central Florida)

HALL, THOMAS, Director, Alcohol & Other Drug Programming (1991), B.S., M.S. (Florida State University)

HALPIN, SUZANNE M., Director, Student Union (1999), B.S. (Bentley College)

HARMS, ALFRED G., Vice President, Strategy, Marketing, Communications, and Admissions (2005), B.S., M.S. (Texas A&M University)

HARTMAN, JOEL L., Vice Provost, Information Technologies and Resources (1995), B.S., M.S., Ed.D. (University of Central Florida)

HARTZLER, CHRISTI A., Director, Housing and Residence Life (1982), B.A. (Edinboro University of Pennsylvania)

HARRIS, ALFRED G., Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)

HESTON, GRANT J., Assistant Vice President, News and Information (2007), B.S. (University of Florida)

HITT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)

HOLMES JR., ROBERT J., Vice President for Alumni Relations and Development and Chief Executive Officer, UCF Foundation. (1998), B.A., M.A. (University of Maine)

HOLSENBECK, DANIEL C., Vice President for University Relations, Senior Counsel to the President, and Director, Governmental Relations (1989), B.S., M.E.D., Ph.D. (Florida State University)


HUFF-CORZINE, LIN, Associate Vice Provost, Academic Affairs, and Professor of Sociology (1996), R.N., B.A., Ph.D. (Washington University in St. Louis)

JACKSON, WAYNE, Director, Multicultural Academic and Support Services (1981), B.A., M.A. (Dallas Theological Seminary)

JAFFE, LARRY, Director, Technologies and Facilities (2003), B.S., M.B.A., M.S., Ed.S. (Rutgers University)

JARRELL-COLE, MARGARET, Associate Vice President, Administration and Legal Counsel, UCF Foundation (2003), L.L.M., J.D. (University of Florida)

JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

KERNEK, LEE, Associate Vice President, Facilities and Safety (2007), B.S.M.P.A. (Harvard University)


KITTINGER JR., FRED R., Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)

LANEY, DAVID, Director, Business Affairs, UCF Regional Campuses (2008),

LARKIN, ROBERT, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)

LARTONNOI, PAUL F., Assistant Dean of Research and Academic Issues B.A., M.F.A. (Lindenwood University)

LAUREANO, GLORIA, Assistant Vice President and Director, First Year Advising & Exploration (1993), B.A., M.A., Ed.D. (University of Central Florida)

LYONS-OTEN, TERESA, Registrar, College of Medicine (2007), B.S. (Tennessee State University)

MacKOWN, PATRICIA A., Assistant Vice President, Director, Office of Student Rights and Responsibilities and Director, Student Legal Services (1979), B.A., M.A. (University of Central Florida)

MADSEN, RUTHANNE, Director, Financial Services, College of Medicine (2007), M.A., Ed.D. (Nova Southeastern University)

MARRETT, CAROLINE, Director, Toni Jennings Exceptional Education Institute (2007), B.S., M.A., Ph.D. (University of Central Florida)
MASON, GREGORY S., Director, Fraternity & Sorority Housing and Development (1990), B.A., M.S. (Indiana University)
MCKINNEY, MARY, Executive Director, Student Financial Assistance (1971), B.S., M.P.A. (University of Central Florida)
MEALOR, DAVID, Associate Vice President and Director, UCF Heathrow and UCF Sanford/Lake Mary (1980), B.S., Ph.D. (University of Georgia)
MECK, II, WILLIAM F., Vice President for Administration and Finance, and CFO (1989), B.A., M.B.A. (Georgia State University)
MESSINA, THOMAS, Associate Vice President for Alumni Relations and Executive Director, UCF Alumni Association (1992), B.S., M.B.A. (Embry Riddle Aeronautical University)
MINANA, KIM A., Assistant Vice President for Major Gifts and Director, Corporate and Foundation Relations (1995), B.A. (University of Central Florida)
MOWDANO, DOAN T., Associate Vice President, Strategic Planning (2008), Ph.D. (Texas Christian University)
MONROE, JUDITH E., Associate Vice President, University Support (1976), B.S., M.A. (University of Central Florida)
MOORE, RHONDA, Director, Creative School for Children (2010), B.A., M.Ed. (Virginia Commonwealth University)
NEIGHBOR, J. EDWARD, Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
NORVELL, DAVID, Director, Sustainability and Energy (2001), B.S.M.E. (University of Central Florida)
O’NEAL, THOMAS P., Associate Vice President, Research & Commercialization, and Director, UCF Technology Incubator and Secondary Joint Associate Professor of Industrial Engineering & Management Systems (1991), B.S.E.E., M.S., MBA, Ph.D. (University of Central Florida)
OHARA, BARBARA, Director, Health Sciences Campus Operations, College of Medicine (2009), B.P.A. (Rollins College)
OLLI, STEVE, Director, Finance and Accounting, College of Medicine (2008), M.B.A. (University of North Carolina)
ORO, GLENN, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)
PATES, PATRICIA, Director, Research, Grants, and Evaluation (1996), B.A., M.A., Ed.S. (University of Louisville)
PAVLONIS, DAVID L., Assistant Vice President and Director, SDES-Office of Budget & Personnel (1998), B.S., M.S. (University of Tennessee)
PAYNE, RICHARD S., Assistant Vice President, Administrative Services (2002), B.S., M.B.A. (University of Central Florida)
PEPPER, RICHARD D., Associate Dean, Faculty and Academic Affairs, College of Medicine (2007), B.A., Ph.D. (University of Kansas)
PERRY, ANTHONY, Director, Rosen College of Hospitality Management Student Life (2002), B.A., M.Ed., M.S. (University of Louisville)
PETERSON, ANGELA, Assistant Vice President, Admissions, Enrollment Services, and Marketing UCF Regional Campuses (2005), B.S., M.S. Ed. (Pittsburg State University)
PIROD, ANNA, Director, Consistent Relations (1998), B.A., M.A. (University of Central Florida)
PIETY, REBECCA, Director, University Testing Services (1999), B.A., M.A. (University of Central Florida)
PITTMAN, JOHN, Director, Financial Services (2000), B.S., M.S. (University of Central Florida)
POISEL, MARK ALLEN, Associate Vice President, Student Development and Enrollment Services (1999), B.S., M.S., Ed.T., Ed.D. (Florida State University)
POOLE, MAX C., Senior Associate Dean, College of Graduate Studies, and Associate Professor of Health Sciences (2005), B.S., Ph.D. (Medical College of Georgia)
PRIEST, DELAINE, Associate Vice President, Student Development and Enrollment Services (1984), B.A., M.A. (University of Alabama-Birmingham)
PUSKAS, RAYMOND, Director, Purchasing (1988), B.A. (University of Connecticut)
RANGE, A. J., Assistant Vice President, Regional Campus Student Services (1994), B.S., M.Ed. (Florida A&M University)
REA, PAMELA, Director, Student Disability Services (2000), B.A., M.Ed. (National-Louis University)
REDICK, ALZO J., Director, Special Programs and Defense Transition Services (1969), B.S., M.E., Ed.D. (Nova University)
REED, HALE, Assistant Vice President for Planned Giving (2000), B.A., J.D. (University of Kansas)
RITCHIE, JOE, Executive Director, First Year Experience (2002), B.A., M.A. (Indiana University of PA)
RIVERS, CECELIA H., Assistant Vice President, UCF Leesburg, UCF Ocala, and UCF South Lake, UCF Regional Campuses (1981), B.A., M.A., Ed.D. (University of Central Florida)
ROBERTS, MARK A., Director, Human Resources (1986), B.A., M.A. (Central Michigan University)
SAWYER, CURTIS, Director, Business Services (2007), B.S. (United States Military Academy)
SCHELL, JOHN F., Vice President and Chief of Staff, Office of the President, and Professor of English (1987), B.A., M.A., Ph.D. (Vanderbilt University)
SCHNEIDER, KIMBERLY, Director, Undergraduate Research (2007), B.S., Ph.D. (University of South Carolina)
SCHONS, EDWARD L., Director, University Economic Development, University Relations (2000), B.S., M.A. (University of Pennsylvania)
SCIARRINO, JOSEPH, Director, Activity and Service Fee Business Office (1990), B.S.B.A. (University of Central Florida)
SELIM, BASMA, Director, Analysis, Planning and Accreditation, College of Medicine (2005), Ph.D. (University of Central Florida)
SHIVER, LAUREN A., Assistant Vice President for Advancement Services (2002), A.A., B.B.A., M.B.A. (Valdosta State University)
SIMAAN, MARWAN, Dean College of Engineering and Computer Science (2008), Ph.D. (University of Illinois at Urbana-Champaign), P.E
SINGH, KRISHNA, Director, Parking & Transportation Services (1993), B.A. (University of Central Florida)
SMITH, SORAYA, Director, Student Affairs, College of Medicine (2009), M.B.A. (University of Central Florida)
SNOW, ROBERT, Director, Sophomore and Second Year Center (1987), B.S., M.S. (Shippensburg University Pennsylvania)
SOILEAU, MARION J., Vice President, Research & Commercialization and Professor of Physics & EECs (1987), B.S., M.S., Ph.D. (University of Southern California)
STEGBINS, CONSUELO, Assistant Vice President for Internationalization (1987), B.A., M.A., Ph.D. (Florida State University)
STERN, MICHAEL J., Associate Dean, College of Graduate Studies, Professor of Biology (2007), B.S., Ph.D. (University of California at Berkeley)
STINARD, CHARLENE, Director, Transfer & Transition Services (1990), B.A., M.A. (Columbia University)
SUCHER, CYNTHIA, Associate Vice President, Community Relations (2006), B.A. (University of Central Florida)
SWEENEY, MICHAEL J., Coordinator of Special Programs, and Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)
SWEET, HAVEN C., Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Syracuse University)
THOMAS, CARLEE, Director, Development, Barnett School, College of Medicine (2008), M.A. (University of Central Florida)
TREES, DIANE, Associate Vice President, Community Relations and Metropolitan Center for Regional Studies (1994), B.S., B.S.N., M.S. (University of Central Florida)
TRIBBLE, KEITH, Director, Athletics and Executive Vice President of UCF Athletics Association (2006), B.S. (University of Florida)
TRUMAN, BARBARA, Director, Development and Web Services (1996), B.A., M.A. (University of Central Florida)
VAUYNATHAN, PALLAVOO N., Assistant Vice President for Research (1999), B.S., B.E., M.Sc., M.B.A. (University of Florida)
VAZQUEZ, JOSE, Interim Director, Environmental Health and Safety (1994), B.A., M.A. (University of Wyoming)
VITTES, M. ELLIOT, Interim Vice Provost and Dean of Undergraduate Studies (1983), B.A., M.A., Ph.D. (University of Massachusetts)
VOELKER, AMY, Executive Director, University Audit (1990), B.S., M.P.A. (University of Central Florida)
WAGNER, PATRICK, Assistant Vice President, Director, Continuing Education (1997), B.S., M.S., Ph.D. (University of Wisconsin-Madison)
WATSON, JIMMY L., Assistant Vice President, Off Campus Student Services (1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)
WATSON, MONTEL J., Director, UCF Physical Plant (1994), B.A., M.B.A. (Loyola University of Chicago)
WEIDMAN, DIANA, Director, Student Services, Eastern Region (1984), B.S., M.A., Ed.D. (University of Central Florida)
WELCH, KERRY, Assistant Vice President and Director, Office of Student Involvement (2004), B.A., M.A., Ed.D. (University of Cincinnati)
WILKENING, JAMES, Director, Recreation and Wellness Center (1992), B.S.B.A., M.A.T. (University of Louisville)

WIRAG, J. ROBERT, Director, Health Services (2006), B.S., M.S., H.S.D. (Indiana University)

YANCKELLO, ROBERT, Director, Computer Services and Telecommunications (2004), B.S., M.Ed., (Pennsylvania State University)

YOUNG, DENISE L., Associate Vice President and Director UCF Cocoa and UCF Palm Bay (1990), B.A., M.S.W., Ph.D. (University of Michigan)
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<td>June 1970</td>
<td>John W. Young, Doctor of Applied Sciences</td>
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<td>August 1978</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
<td></td>
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<td>March 1983</td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
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<td>May 2000</td>
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<td></td>
<td>May 2001</td>
<td>Richard M. Karp, Doctor of Science</td>
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<td>December 1982</td>
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<td></td>
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<td>Joseph F. Traub, Doctor of Science</td>
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<td>June 1984</td>
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<td>November 2002</td>
<td>James Bacchus, Doctor of Public Services</td>
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<td>May 1985</td>
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<tr>
<td>May 1990</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
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<td>December 2008</td>
<td>Charles Hard Townes, Doctor of Science</td>
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<tr>
<td>May 1991</td>
<td>Thaddeus Seymour, Doctor of Letters</td>
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<td>May 2009</td>
<td>Howard Lance, Doctor of Science</td>
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AEP: Academic Exploration Program to assist undeclared students.

A.S.: Associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.S. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

AEP: Academic Exploration Program to assist undeclared students.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): Computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration

CECS: College of Engineering and Computer Science

Certificate: special program of study supplemental to a major.

Ci: consent of instructor.

Class Schedule Search: a component of the online myUCF system (at https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAS: College Level Academic Skills: CLAS is a required statewide measurement of selected communication and mathematics skills.

CLAS Alternative: refers to another way of satisfying one or more subtests of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

COE: College of Education.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are ten colleges at UCF: Arts and Humanities (CAH), Business Administration (CBA), Education (COE), Engineering and Computer Science (CECS), Health and Public Affairs (COHPA), Medicine (COM), Nursing (CON), Optics and Photonics (COP), The Burnett Honors College (TBHC), Rosen College of Hospitality Management (RHM), and Sciences (COS).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied toward the degree.

CON: College of Nursing.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: A computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information items that the Family Educational Rights and Privacy Act of 1974, as Amended (FERPA) authorizes the University to release without the student’s prior consent, unless the student has filed a “Directory Disclosure/Release Authorization Form” with the Registrar’s Office. Directory information at UCF includes the student’s name, current mailing address, telephone number, date of birth, enrollment status, dates of attendance, major field of study, degree and awards received, participation in officially recognized activities and sports, and athletes’ height and weight.

Disqualified: a student on academic probation is disqualified upon failure to achieve a minimum 2.0 UCF GPA during the subsequent term. A student who is disqualified may not enroll at the University for two terms following disqualification. Readmission after two terms is not automatic.

Distance and Distributed Learning: learning online through the UCF Virtual Campus, which provides opportunities for students to enroll in credit courses and select degree programs through a variety of interactive distributed technologies.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/ minor.

E-mail: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who have completed fewer than 12 semester hours and currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the Fall and Spring and Summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.
Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and I grades.

Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a “negative service indicator”, this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating or academic advising. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as “limited access” only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: A charge associated with some courses to cover items consumed within the class.

Minor: a complement to a bachelor’s degree program/major requiring at least 18 credit hours in a field.

myUCF: the UCF/student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal IDentification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights E-Mail account, telephone number, and permanent mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses by the grade earned in the course of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal IDentification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and all major pre-requisites prior to admission into the desired limited access program. (Department will change student’s status upon acceptance into the program.)

PID: (Personal IDentification Number); personal eight-digit code required when entering myUCF, or the UCF Information Kiosks.

PR: prerequisite refers to a specific course that must be taken and passed prior to enrolling in the primary course the student desires to take.

Probation: action taken when a student’s UCF overall GPA drops below 2.0.

Readmission: reapply to the Registrar’s Office after an absence of two or more terms.

Registration: the act of enrolling in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Repeat Surcharge: additional fee applied when a student enrolls in the same course three or more times.

Restricted Access: a major that has additional admission requirements (e.g. early application date, a separate application or specific GPA requirements). There is no limit to the number of students who can be enrolled. Students meeting the specified requirement(s) normally will be admitted.

Restricted Electives: a specified group of courses within a major from which students must make selections.

Retention: a term used to describe students’ continued enrollment at the University until successful completion of their educational goals.

RHM: Rosen College of Hospitality Management

SARC: Student Academic Resource Center provides academic support programs, including supplemental instruction, tutoring, and writing centers.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see the “Student Financial Assistance” section of this Undergraduate Catalog.)

Second Bachelors Degree: awarded when the student meets the requirements for both degrees and earns a minimum of 150 credit hours.

Section: refers to one of several offerings of the same course scheduled at different days of the week and hours of the day. For example: there may be 40 different sections of ENC 1101 offered within a term.

Sequence: a series of courses within the same subject area. Generally, the student takes these courses in numerical order (e.g., PHY 2053 then 2054). Students should consult the advisor before registering out of sequence.

SSYC: Sophomore & Second Year Center

STEP: State Tuition Exemption Program

Student Success Center: advising offices and other academic support services for first-year students located on the first two floors of Howard Phillips Hall.

SUS: State University System. All eleven Florida public universities are part of the SUS.

Term: the academic year at UCF is divided into segments called “terms” (also called “semesters”). Each lasts approximately 16 weeks. Some universities break the year into fourths and call them “quarters.” UCF is on the semester system, however, we usually speak of “Fall Term,” “Spring Term,” or “Summer Sessions.”

Term GPA: grade point average (GPA) on work attempted during any given term.

TBHC: The Burnett Honors College

Third Attempt Charge: See ‘Repeat Surcharge.’

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: Time Shortened Degree or Accelerated Education Opportunities.

TSR: Transfer Summary Report is a listing of all coursework transferring to the University for credit. A preliminary TSR is generated at the time of acceptance. A final TSR is processed after all final transcripts have been received by the Admissions Office.

Transient Student: a UCF student enrolled in courses at another regionally- accredited institution.

UCF Regional Campus System: UCF Cocoa, UCF Daytona Beach, UCF Leesburg, UCF Ocala, UCF Osceola, UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF South Orlando, UCF Valencia Osceola, and UCF Valencia West.

UCF GPA: grade point average (GPA) on all work attempted while in attendance at UCF.

Upper Level Courses: courses with a course number of 3000-4999.

Web Enrollment Guide: online at http://register.ucf.edu/egui. Provides the “Academic Calendar;” guides to registering online, Class Schedule Search and the Fee invoice, and contains the policies that govern course registration. Each term’s class listings are available only online through myUCF Class Schedule Search at https://my.ucf.edu.

Withdrawal: Withdraw from a Course: to formally request an official withdrawal from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office.
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