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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.

UCF Stands For Opportunity
Mission Statement

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

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

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

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

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

You have my best wishes for success during this coming year. UCF faculty members and staff members are here to help you to learn, to grow, and to excel. Upon graduation, you will join the more than 188,000 alumni whose lives have been changed by their UCF experience.

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

Cordially yours,

John C. Hitt
President
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**NOTE:** Dates are subject to change. Consult the Web Enrollment Guide and online Academic Calendar for information.

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

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

1 $100 Late Registration Fee applies to students who enroll following the close of Registration or who enroll for the first time that term during Late Registration.
2 $100 Late Payment Fee applies to students who do not pay their fees or do not pay their fees by the due date.
3 Incomplete grades must be removed within one year of the last day of the term or prior to graduation from the University, whichever comes first, else they will change to “F”.

### University Holidays and Special Events

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

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

## University Holidays and Special Events

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Undergraduate Academic Policy Statement

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

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

Non-Discrimination Policy
(including sexual harassment)
The University of Central Florida values diversity in the campus community. Accordingly, discrimination based on race, color, religion, sex, national origin, age, disability, marital status, parental status, genetic information, sexual orientation, gender identity, gender expression, or veteran status is prohibited.

Sexual harassment, a form of sex discrimination, is defined as unwelcome sexual advances, requests for sexual favors, or verbal or physical conduct of a sexual nature when:
1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or enrollment;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or enrollment decisions affecting such individual;
3. Such conduct has the purpose or effect of substantially interfering with an individual’s work performance or enrollment, or creating an intimidating, hostile, or offensive working or academic environment.

Sexual harassment is strictly prohibited. Occurrences will be dealt with in accordance with the guidelines above and University rules. Employees, students, or applicants for employment or admission may obtain further information on this policy, including grievance procedures, from the Equity Coordinator. The Director of the Office of Equal Opportunity and Affirmative Action Programs is the campus Equity Coordinator responsible for concerns in all areas of discrimination. The office is located on the Orlando campus, in Millican Hall 330, Orlando, FL 32816-0030. The phone number is 407-UCF-1TEE. 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 or misuse of a controlled substance, prescription medication or the unlawful possession and use of alcohol is harmful and prohibited in and on UCF owned and controlled property or as part of any of its activities. Any UCF employee or student determined to have violated this policy shall be subject to disciplinary action for misconduct, which may include termination/expulsion and referral for prosecution. No employee/student is to report to work/class or attend any University activity while under the influence of illegal drugs or alcohol. Violation of these policies by an employee/student will be reason for evaluation/treatment for drug/alcohol disorder and/or for disciplinary action up to and including 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. Refer to University of Central Florida Policy “Alcoholic Beverages on Campus” 3-115.1 for further information.

Guidelines

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

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

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 are present in non-licensed campus locations must be obtained from the Director of Student Leadership Programs.

The following information must be supplied by the student organization and approved by the appropriate university officials, no less than 15 calendar days prior to the event(s). These arrangements include but are not limited to: sponsoring organization and nature of event; type of alcohol along with food and alternative non-alcoholic beverages to be provided; method of security including number of campus police officers; person to be contacted at event in case of questions or problems.

Approval Procedures: Non-Student Groups

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


Academic Behavior Standards

The University of Central Florida is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action and/or disciplinary action. Academic action affects student assignments, examinations or grades. Disciplinary action may affect student enrollment status. Academic Misconduct includes but is not limited to cheating, plagiarism, aiding another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behavior standards on the undergraduate and graduate level are listed 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 subject to the same penalties as the student who committed the cheating or plagiarism. In cases of cheating or plagiarism, the instructor may take appropriate academic action ranging from loss of credit for a specific assignment, examination, or project to removal from the course with a grade of “F.” Additionally, the instructor may request disciplinary action through the Office of Student Rights and Responsibilities as outlined in The Golden Rule Student Handbook.
Student Use of Technology
The University of Central Florida expects all students to have ready access to a personal computer and software appropriate to his or her field of study. Students can meet this expectation by purchasing or leasing a computer, sharing a computer with family or roommates, or using a UCF computer lab.

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

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

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

Student Responsibility for University Communication
UCF uses e-mail as the official means of notifying students of important information concerning registration, deadlines, financial assistance, scholarships, student accounts (including tuition and fees), academic progress and problems, and many other critical items. The University sends all business-related and academic messages to a student’s Knights E-mail account to ensure that there is one repository for that information. Every student must register for, and maintain, a Knights E-mail account at http://www.knightsemail.ucf.edu and check it regularly to avoid missing important information from the university. Any difficulty with establishing an account or with accessing an established account must be resolved through the UCF Computer Services Service Desk so that a student receives all important messages (servicedesk@ucf.edu or 407-823-5117).

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

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

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

In most cases, the recommended strategy for complaints of any nature is to ask the concerned individual to first contact the person or office most directly connected to the issue, unless there are compelling reasons not to do so. If the concerned individual does not want to contact a faculty or staff member directly, he or she begins with the next highest level of authority, which typically is the department chair or director. If the problem or complaint is unresolved or the individual is not satisfied with the resolution, he or she may file a written grievance or appeal in the University of Florida’s Office of Academic Affairs.

College/Discipline | Accrediting Body
---|---
Arts and Humanities | National Association of Schools of Music (NASM)
Business Administration (all disciplines) | The Association to Advance Collegiate Schools of Business (AACSB International)
Education (all disciplines) | State Accreditation - Florida Department of Education; National Council for Accreditation of Teacher Education (NCATE)
Engineering and Computer Science | Accredited by the Engineering Accreditation Commission of ABET, Baltimore, MD 21202-4012, Telephone: (410) 347-7700
Aerospace, Civil, Computer, Electrical, Environmental, Industrial, Mechanical Eng | Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700
Computer Science | Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700
Health and Public Affairs | Accrediting Body
Athletic Training | Commission on Accreditation of Athletic Training Education (CAATE)
Cardiopulmonary Science | Committee on Accreditation for Respiratory Care (CoARC)
Health Information Management | Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)
Radiologic Sciences | Joint Review Committee on Education in Radiologic Technology (URCERT)
Social Work | Council on Social Work Education (CSWE)
College of Medicine - Burnett School of Biomedical Sciences | National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
Medical Laboratory Sciences | Accrediting Body
Nursing | Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing
Chemistry | Accrediting Body
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Aerospace, Civil, Computer, Electrical, Environmental, Industrial, Mechanical Eng | Accredited by the Computing Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700
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Cardiopulmonary Science | Committee on Accreditation for Respiratory Care (CoARC)
Health Information Management | Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)
Radiologic Sciences | Joint Review Committee on Education in Radiologic Technology (URCERT)
Social Work | Council on Social Work Education (CSWE)
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Medical Laboratory Sciences | Accrediting Body
Nursing | Commission on Collegiate Nursing Education (CCNE), Florida Board of Nursing
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UNIVERSITY
OF
UCF Courses
and Descriptions
The University

CENTRAL FLORIDA/CAMPUSES

407-823-2000
http://www.ucf.edu
UCF Stands For Opportunity: The University of Central Florida is
a major metropolitan research university located in one of the most
popular cities in the world. A growing and dynamic university, UCF
opened the College of Medicine in 2009, and it is the centerpiece
of the burgeoning medical city at Lake Nona. In 2010, UCF opened
the School of Performing Arts in the new on-campus Performing Arts
Center, and in 2011, UCF became one of 40 public universities earning the Carnegie Foundation’s highest designation in two categories:
community engagement and research activity.
The University of Central Florida is comprised of twelve colleges supporting more than 56,000 students that attend classes on UCF’s main
Orlando campus and its 10 regional campuses.
UCF offers 216 degree programs and is an academic and research
leader in numerous fields, such as optics, modeling and simulation,
engineering and computer science, business administration, education, the sciences including biomedical sciences, hospitality management and digital media.
UCF annually ranks in the top 50 universities nationwide for the
number of National Merit Scholars in its freshman class with the vast
majority enrolled in the Burnett Honors College.
The main campus stretches 1,415-acres and provides modern facilities. The Health Center is a full-service health clinic with on-site professionals, X-ray capabilities, dental services, a pharmacy, a medical
laboratory and physical therapy services.
The Student Union has computer labs, study lounges, ballrooms and
meeting rooms, popular eating establishments and a small shopping
mall. Students also enjoy a 149,000-square-foot Recreation and
Wellness Center complete with a three-story climbing wall, an indoor
track and fitness equipment.
The main campus manages 800 acres of natural ecosystems resulting
in habitats for more than 45 unique animal species.
Housing includes on-campus residence halls and affiliated apartments
for almost 8,000 students. And the 10,000-seat UCF Arena and a
45,000-seat on-campus football stadium were opened in 2007.
UCF promotes a diverse and inclusive environment. Students come
from all 50 states and over 140 countries. Study abroad programs
allow students to study and conduct research with 98 institutions in
36 countries. Students at UCF have been recog-nized throughout
the world and include recipients of Rhodes, Mellon and Goldwater
scholarships.
In 2009-10, UCF professors received $133 million in research funding
and have accrued over $1.0 billion in research-related funding since
2000. Distinctive programs extend learning beyond the classroom
and include leadership programs, study abroad, cooperative education, mentorships, internships, service learning and paid research
positions.

Center for Distributed Learning
Assistant Vice President: Thomas B. Cavanagh
UCF Center for Distributed Learning, 3100 Technology Parkway,
Orlando, 32826; 407-823-4910
http://online.ucf.edu/
The Center for Distributed Learning provides opportunities for students to enroll in credit courses and selected degree and certificate
programs delivered over the Internet through Online@UCF. The
instructional design of these courses maintains a high-quality learning environment for both nontraditional and campus-based students.
Online courses are identified in the Class Schedule Search available
at https://my.ucf.edu/. In the “Additional Search Criteria” section use
the drop-down list next to “Mode of Instruction” to search for the values
described below.
Online instruction modes are:
WORLD WIDE WEB (W): These are courses conducted via webbased instruction and collaboration. Some courses may require minimal campus attendance or in-person/proctored examinations.
MIXED-MODE/REDUCED SEAT TIME (M): These courses include
both required classroom attendance and online instruction. All M
classes have substantial activity conducted over the web, which substitutes for some classroom meetings.
VIDEO STREAMING (V): These are courses delivered over the web
via streaming digital video, which may be supplemented by additional
web activity, projects, or exams.

UNIVERSITY OF CENTRAL FLORIDA

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

Regional Campuses
http://www.regionalcampuses.ucf.edu
The University of Central Florida offers an opportunity to complete a
number of programs through UCF Regional Campuses. Strategically
located within an 80-mile radius of the UCF Orlando campus, the
multiple non-residential locations partner with six Florida community/
state colleges, fostering seamless and convenient advancement from
completion of an A.A. or A.S. degree to upper-level division work on a
baccalaureate degree. Programs include 24 Bachelor’s programs, 18
minors, 12 master’s degrees, and 6 graduate certificates with each of
the UCF Colleges represented within the system. With close proximity to Orlando, resources are available at UCF and the UCF Regional
Campuses, such as admissions, registration, financial aid, advising,
student clubs and organizations, disability services, veteran’s affairs,
“smart classrooms,” libraries, computer labs, and more.
UCF Regional Campuses provide a wide variety of instruction
modes and schedules, including web class availability. Admissions,
Registration, Financial Assistance and Advising professionals are
located at the following campuses: UCF Cocoa, UCF Daytona Beach,
UCF Palm Bay, UCF Sanford/Lake Mary, UCF South Lake, UCF
Osceola, and UCF Ocala. Times and dates for all courses are listed
online prior to registration each term and all registration periods correspond to the overall UCF schedule.
The Central Florida Higher Education Consortium, known as
DirectConnect to UCF, is a unique partnership between UCF and
Brevard Community College, Lake Sumter Community College,
Seminole State College and Valencia Community College. This
agreement provides entry for AA and AS graduates to UCF as an
enhancement to the FL state-mandated 2 + 2 agreement. Students
entering UCF as a DirectConnect to UCF student are admitted
according to the UCF policies when AA or AS degrees are awarded.
All locations provide students with an opportunity to enroll in selected
courses (junior and senior level) contributing to undergraduate and
graduate degrees in a variety of disciplines within the university. At
UCF Regional Campuses students may register full-time or part-time
for courses at any of the locations without additional paperwork. For
the most current information on any of the multiple UCF Regional
Campus locations, programs or class schedules, check the website at

Administration
UCF Regional Campuses Administration
12201 Research Parkway, Suite 101
Orlando, 32626; 407-823-4547
Interim Vice Provost, UCF Regional Campuses . . . . . . Joyce Dorner
Senior Administrative Assistant . . . . . . . . . . . . . . . . . . .Dania Suarez
Associate Vice President, Executive Director,
Academic Initiatives . . . . . . . . . . . . . . . . . . . . . . Stephen Holmes
Assistant Director, Academic Initiatives . . . . . . . . . . . . Cyndi Thomas
Facilities Scheduler . . . . . . . . . . . . . . . . . . . . . . . . . . . Denise Devlin
Coordinator, Statistical Research. . . . . . . . . . . . . . . . Jeanne Walker
Assistant Vice President, Student Services . . . . . . . . . . . .A.J. Range
Office Assistant . . . . . . . . . . . . . . . . . . . . . . . . . . . . . Kenya Cabrera
Associate Vice President, Regional Campus Transfer
Admission & Enrollment/Marketing. . . . . . . . . . . . .Angé Peterson

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Undergraduate Catalog 2011-2012

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

Campuses

UCF Valencia West, UCF South Orlando, UCF Valencia Osceola  
Director, Academic Support Services          Edgar Martinez
Administrative Assistant                      Jacqueline Diaz
Assistant Director, Enrollment Services       Chris Fletcher
Coordinator, Enrollment Services              Shellei Thomas-Smith
Coordinator, Academic Advising Services I     Carol Black
Coordinator, Academic Advising Services II    Chris Miller
Coordinator, Academic Advising Services III   Celena Lee
Coordinator, Academic Advising Services IV    Lisa Cruz
Coordinator, Academic Advising Services V    Melissa Hanbery
Coordinator, Academic Advising Services VI   David Berland

UCF Daytona  
Assistant Vice President and Director, Daytona Beach Campus Linda Bradley
Director, Academic Support Services          Jason Brewer
Coordinator, Administrative Services         Bonnie Marsh
Director, Regional Campus Student Services   Diana Weidman
Assistant Director, Enrollment Services      Raphael Robinson
Senior Admissions/Registrar Officer Shereen Newberry-Dunn
Coordinator, Academic Advising Services I    Tina Davis
Coordinator, Academic Advising Services II   Darryl Greely
Coordinator, Academic Advising Services III  Angela Edwards-Johnson
Department IT Manager                        Joe Cassella

UCF Sanford/Lake Mary, UCF Altamonte  
Associate VP and Director, UCF Sanford/Lake Mary and UCF Altamonte Springs David Meador
Coordinator, Academic Support Services       Sean Armstrong
Administrative Assistant                      Debbie Copertino
Coordinator, Enrollment Services             Pamela Williams
Coordinator, Academic Advising Services I     Jackie West-Lee
Coordinator, Academic Advising Services II    Andrea Velez-Vazquez
Coordinator, Academic Advising Services III   Michelle Camdon
Department IT Manager                        Jerry Franco

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

UCF South Lake, UCF Ocala, UCF Leesburg  
Assistant Vice President, Academic and Administrative Assistant, Regional Campus Student Services Pamela Brady
Director, Academic Support Services          Cecilia Rivers
Coordinator, Academic Support Services       Tanya Armstrong
Coordinator, Enrollment Services             Lila Reyes
Director, Regional Campus Student Services Pamela Brady
Assistant Director, Enrollment Services      Christy Pasinisin
Coordinator, Enrollment Services             Thomas Silarek
Coordinator, Academic Advising Services I    Selena Forrester
Coordinator, Academic Advising Services II   Robin Tinsley
Coordinator, Academic Advising Services III  Bethany Larson
Coordinator, Academic Advising Services IV   Scott Larson
Department IT Manager                        Mei Wong

University of Central Florida/Campuses  

UCF Cocoa  
321-433-7821  
(In partnership with Brevard Community College)

Undergraduate Degree Programs

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

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

Communication Sciences and Disorders (B.A., B.S.) College of Health and Public Affairs

Elementary Education (B.S.) College of Education

History (B.A.) College of Arts and Humanities

Interpersonal/Organizational Communication (B.A.) College of Sciences

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

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

Nursing (B.S.N., R.N. to B.S.N.) College of Nursing

Political Science (B.A.) College of Sciences

Psychology (B.S.) College of Sciences

Sociology (B.A.) College of Sciences

Social Sciences (B.A.S.) College of Sciences

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

Undergraduate Minors

Anthropology in Multicultural Studies

Business (For non-business majors only)

Communication Sciences and Disorders

Criminal Justice

English - Writing

Exceptional Education

Health Services Administration

History

Interpersonal Communication

Legal Studies

Organizational Communication

Political Science

Psychology

Religious Studies

Social Sciences - Interdisciplinary

Sociology

Women's Studies

Graduate Degree Programs

Applied Sociology (M.A.) College of Sciences

Criminal Justice (M.S.) College of Health and Public Affairs

Health Sciences: Health Services Administration (M.S.) College of Health and Public Affairs

Industrial Engineering and Management Systems (M.S.) College of Engineering and Computer Science (Coehort)

Public Administration (M.P.A.) College of Health and Public Affairs

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

Undergraduate Degree Programs

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

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

Criminal Justice (B.A., B.S.) College of Health and Public Affairs

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

Elementary Education (B.S.) College of Education

Exceptional Student Education (B.S.) College of Education

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

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

Nursing (B.S.N., R.N. to B.S.N.) College of Nursing

Photography (B.S.) College of Arts and Humanities

Political Science (B.A.) College of Sciences

Psychology (B.S.) College of Sciences

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

Social Sciences (B.A.S.) College of Sciences

Sociology (B.A.) College of Sciences
Undergraduate Minors

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

Graduate Degree Programs

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

UCF Leesburg

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

Undergraduate Degree Programs

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

Undergraduate Minors

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

UCF Ocala

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

Undergraduate Degree Programs

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

Undergraduate Minors

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

UCF Sanford/Lake Mary

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

Undergraduate Degree Programs

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

Undergraduate Minors

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

UCF Osceola

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

Undergraduate Degree Programs

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

Undergraduate Minors

- Criminal Justice
- English - Writing
- Health Services Administration
- History
- Interpersonal Communication
- Legal Studies
- Organizational Communication
- Political Science
- Psychology
- Social Sciences - Interdisciplinary
- Sociology
Central Florida Research Park

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

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

The ultimate goal of University-related research parks is to establish an academic/industrial community. The University and officials of the Central Florida Research Park believe that the potential for the establishment of close ties between the University and industry will create an environment conducive to the location of research-oriented industry in the Research Park. This activity will enrich and support the academic, teaching, and research programs of the University. The University, in turn, can provide the necessary expertise and human resources to enhance the research and development activities required and planned by Research Park residents.

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

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

Endowed Chairs

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

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

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

William S. and Alice M. Jenkins Chair in Community Arts: Created in 1986 to 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.

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

SunTrust, N.A. Eminent Scholar Chair in Banking for Teaching Excellence: Created in 1989 to attract a nationally or internationally prominent expert in banking with a strong commitment to undergraduate, graduate, and executive development. Chair: TBA.

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. Bushy.


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

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

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

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

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

Dean: Created in 2000 to support the teaching and research of an internationally recognized scholar in 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, College of Business Administration. Chair: TBA.

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

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

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

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

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

21st Century Scholar Chair: Created in 2006 to strengthen and support teaching and research in the field of lasers and medicine at the Florida Photonics Center of Excellence. 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 Eullian Chair in Italian Studies: Created in 2005. This is the first Chair in Italian Studies in the State of Florida and is designed to support the teaching and research of an internationally recognized scholar of Italian and Italian American Culture. Chair: Paolo Giordano.

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

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

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

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

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

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

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

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

William P. Fisher Eminent Scholar Chair in Restaurant Management: Created in 2000 to support the teaching and research of an internationally recognized scholar in restaurant management. Chair: TBA.

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

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

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

Mubarak A. Shah.
University of Central Florida/Campuses

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

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

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

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

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

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

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

The Community Relations Division (407-823-5555) offers crime prevention seminars regarding the protection of personal property and safety. The Community Relations Division manages the Safe Escort Patrol Service (SEPS) 407-823-2424, providing a safe escort for all individuals on campus.

The Victim Services Unit, located at University Towers, Ste. 450, 12201 Research Parkway, Orlando 32826 (office 407-823-2425; 24/7 HOTLINE 407-823-1200) provides services for persons impacted by crime, violence or abuse or off the UCF campus. Services include 1) advocacy, support, and practical assistance; 2) options, information, and referrals; and 3) prevention awareness educational programming. Additional information can be viewed at http://www.victimservices.ucf.edu.


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

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

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

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

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

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

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

University Libraries offers a variety of information resources and services. An extensive resource collection includes 2.3 million volumes, 30,000 journal subscriptions, 3.1 million microforms and 50,000 media titles. The Libraries’ rapidly growing electronic resources include 363 databases, 593,000 e-books and 27,000 electronic journals. UCF Libraries is a partial depository for United States and Florida government publications and U.S. patents and trademarks.

The main library is open 105 hours per week. Operating hours are available on the website: http://library.ucf.edu or by calling 407-823-2756. Over 320 computer workstations are available for public use. Forty wireless laptops can be checked out for use anywhere in the library building. Wireless technology enables patrons who have laptops with wireless cards to connect to the Libraries’ electronic resources and to the Internet from anywhere in the building. Twenty-eight group study rooms and one presentation practice room are available for students. The main library has two classrooms outfitted with 43 computer workstations for hands-on instruction in the use of electronic resources.

The Knowledge Commons, the Libraries’ newest learning space, provides 479 seats in a variety of configurations including collaborative group study areas, 196 PC workstations, single station carrels, and upholstered lounge chairs with flip up tables. Two-thirds of seating in the area offers a desktop PC or immediate access to power. Complementing the Knowledge Commons are rolling white boards, privacy panels, acoustical treatments, upgraded wireless network service and natural light throughout. Nearby, the Libraries’ multipurpose cybercafé named Infusion offers food and beverage items, 34 desktop, comfortable seating areas, closed caption television, and a browsing collection for leisure reading.

The Libraries’ web-based catalog can be accessed from any computer or mobile internet device, offering a gateway to hundreds of electronic databases, journals and e-books. For help and advice in the use of resources and materials, the Reference Desk is open most library hours. Individual appointments can also be made for in-depth research consultation. The website http://library.ucf.edu/ask/ connects students with 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://infolt.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 books, articles, and photocopies and materials, electronically delivered items can be acquired free of charge within two weeks. Request forms are available at http://library.ucf.edu/ILL. For more information, call 407-823-2383 during office hours or visit the ILL website.
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 the Circulation Desk. A workstation equipped with Jaws and Zoomtext 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, ephemera, photographs, art, and more. The Libraries’ digitization projects http://library.ucf.edu/Systems/DigitalCollections/ continue to make more of these unique materials available on the Web. UCF Libraries partners with other libraries and local institution such as 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 Services for Distance Learners page http://library.ucf.edu/DistanceServices.asp and the Regional Campus Libraries page http://library.ucf.edu/BranchCampuses/Locations/. UCF librarians provide in-person service at partner campuses in Cocoa, Palm Bay, Daytona, Clermont, and Sanford as well as at other partnership sites by appointment.

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

### Office of Instructional Resources

**Interim Director:** Donald Merritt  
CL1 203; 407-823-2571, Fax 407-823-2109  
http://www.oir.ucf.edu

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

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

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

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

### Intercollegiate Athletics

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

Programs in Intercollegiate Athletics are coordinated by coaches and staff of the UCF Athletics Department under the general supervision of the Director of Athletics, who reports to the president. The University of Central Florida is a member of the National Collegiate Athletic Association (NCAA), Division I, competes in all sports in Conference USA.

Intercollegiate athletics contests are governed by the rules of play published by NCAA and all established eligibility standards are observed. UCF’s current intercollegiate sports for men include 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 2004 full-time cohort is 63 percent. The retention rate for Summer-Fall full-time 2009 students is 86.6 percent. The information is public and available for review on the Institutional Research website.

### UCF Arena at Knights Plaza

http://www.ucfarena.com

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

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

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

### Campus Bookstores

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

#### John T. Washington Center Location

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

#### Knights Plaza Location

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

### Parking and Transportation Services

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

Through the efforts of the Department of Parking and Transportation Services, UCF constituency has varied transportation options to, from, and around the campus. The UCF Shuttle provides transit needs for students residing in 16 off-campus apartment communities, as well as numerous locations in Central Florida Research Park. Normal operating hours range from 6:30 a.m. to 10:30 p.m.
UCF also has an intra-campus shuttle service on the Black and Gold Line. Two routes serve up to 13 stops on campus. They operate continuously from 7:00 a.m. until 7:00 p.m. during the fall and spring semesters, and from 7:00 a.m. to 4:00 p.m. during the summer terms. An inter-campus transportation service is provided between the UCF main campus and the Rosen College of Hospitality Management. It makes nine round-trip runs between 6:45 a.m. and 9:00 p.m., Monday through Thursday, during the Fall and Spring semesters, and seven round-trip runs between 7:00 a.m. and 7:45 p.m. during the summer semester. Our latest addition is an inter-campus transportation service between UCF main campus and the College of Medicine. It makes four round trips between 7:45 a.m. and 6:15 p.m. Monday through Friday.

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

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

Orlando Shakespeare Theater in Partnership with UCF

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

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

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

UCF Alumni Association

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

The University of Central Florida Alumni Association creates alumni awareness and provides resources for alumni to stay connected to the university and each other through dozens of active chapters and clubs, fun activities and events, and enlightening communication pieces.

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

For more information about the UCF Alumni Association or to join 4EK stop by the FAIRWINDS Alumni Center (across from the UCF Arena); call 407-UCF-ALUM (823-2586); toll-free 800-330-ALUM (330-2586); connect anytime at http://www.ucfalumni.com; or find us on Facebook at http://www.facebook.com/ucfalumni.

UCF Foundation, Inc.

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

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

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

The role of the UCF Foundation, Inc. is to enhance relationships with alumni, friends, faculty, staff and community partners and to promote philanthropic participation within the UCF community. The foundation employs over 100 staff members who are dedicated to making the most effective and responsible use of your contributions. The foundation team is responsible for gift acceptance and administration, gift processing and receipting, financial accounting and reporting, donor and alumni record maintenance, and donor and alumni stewardship.
International Studies
Director: Angel Cardec
MH 150, P.O. Box 163105, Orlando, FL 32816-3105;
407-882-2300, Fax: 407-882-0240
http://www.international.ucf.edu/OIS

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

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

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

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

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

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

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

Experiential Learning (Office of), Undergraduate Studies
Director: Sheri Dressler
CSEL 300; 407-823-2667
E-mail: OEL@ucf.edu
http://www.explearning.ucf.edu

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

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

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

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

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

- Service-Learning provides a means for faculty to incorporate experiential learning into academic courses so that students meet course objectives through service experiences. Through this process, students gain an appreciation for civic engagement while learning course content in a real-world environment. Courses using this approach are designated with 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.

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

National Consortium for Academics and Sports (NCAS)

Director: Suzi Katz-Slowinski
BA 223; 407-823-3585
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 by partnering with the DeVos Sport Business Graduate Program to provide ongoing outreach and community service to community organizations in underserved areas.

The Southeast Region also works with the NCAS National Office to make programs available to athletic departments in the areas of diversity training, gender violence prevention, media awareness and building well rounded student-athletes who represent themselves and their University with 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 website 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 K-12, degree 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, Orlando, FL 32826; 407-882-0260, Fax: 407-882-0280
http://www.hospitality.ucf.edu/dick_pope.html

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

Executive Development Center

Academic Director: Ron Michaels
Senior Associate Director: Jaime Patterson
407-235-3901
E-mail: edc@bus.ucf.edu

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

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

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

- Executive MBA Program
- Professional MBA Program
- Professional Masters in Management
- Professional Masters in Real Estate
- Customized corporate programs
- Conference services
- Public enrollment programs
- International seminars and exchange programs

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

Florida-Canada Linkage Institute

**Director:** Angel Cardec  
**E-mail:** fcsi@mail.ucf.edu

The Florida-Canada Linkage Institute was created by the Florida legislature to foster educational, commercial, cultural and social exchanges between Florida and the Province of Quebec. The institute is affiliated with the State of Florida through the University of Central Florida. The institute, administered by the Office of International Studies, promotes international collaboration through expanded public/private dialogues on educational opportunities, combined with resources to design, build, and test small satellites, instruments, and payloads. Using these resources, the institute offers 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  
**E-mail:** eeli@mail.ucf.edu

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

The John Scott Dailey Florida Institute of Government at the University of Central Florida

**Director:** Marilyn Crotty  
**E-mail:** info@fsg.ucf.edu

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  
**E-mail:** info@fsec.ucf.edu

The Florida Solar Energy Center (FSEC) is the largest and most active state-supported energy research institute in the United States. Located on the Cocoa campus of UCF at Brevard Community College, FSEC has gained national and international respect for its programs on photovoltaics, thermal systems, energy-efficient buildings, advanced cooling technologies, hydrogen and fuel cells, and the testing and certification of solar equipment. The Center conducts continuing education workshops for professionals, government and industry leaders around the world. Additionally, FSEC offers Science, Technology, Engineering and Mathematical (STEM)-focused opportunities to K-12 and college level-students, professional development for teachers, and renewable energy curriculum and activities to schools throughout Florida.

Florida Space Institute (FSI)

**Director:** Melissa McGrath  
**E-mail:** jaydeep.mukherjee@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 projects. FSI is a State of Florida Institute headquartered at UCF, but has 10 member schools statewide. FSI is located both at the Space Center and on the UCF campus. FSI’s programs are embedded within the existing space environment of the Center, at both the NASA/Kennedy Space Center and the Cape Canaveral Air Force Station. Typical research areas include small satellite innovations, broadband optical communications, propulsion, instrumentation development, space weather, and space power, driving engineering solutions with science requirements.

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

Institute for Simulation and Training (IST)

**Director:** Randall Shumaker  
**E-mail:** shumaker@ist.ucf.edu

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

IST laboratories, work space, and administrative offices occupy major portions of the Partnership II and III buildings located in the Central Florida Research Park, adjacent the UCF campus. The park also is home to the Army Program Executive Office for Simulation, Training and Instrumentation (PEOSTRI); Army Simulation Training Technology Center; Naval Air Training Systems Division (NAVAIR Orlando); Marine Corps Program Manager for Training Systems; and Air Force Agency for Modeling and Simulation (AFAMS). The institute is one of more than 150 public and private entities specializing in simulation and training and located along the corridor that stretches from Tampa to Daytona Beach, the largest concentration of this expertise in the world.

IST’s research staff of more than 260 scientists, engineers, and students conducts basic and applied research for a broad range of training devices and programs. Research teams focus on applied research and technology, human/systems integration, and information systems technologies. Research areas include:

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

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

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

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

**Institute of Statistics and Data Mining**  
**Director:** David M. Nickerson  
**E-mail:** nickerson@mail.ucf.edu  

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

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

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

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

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

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

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

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

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

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

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

Enterprise Decision Support (EDS)

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

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

Institutional Knowledge Management (IKM)

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

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

Institutional Research (IR)

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

The mission of Institutional Research (IR) is to provide information of the highest quality which is timely, accurate, and useful to facilitate and enhance decision-making and planning at the University of Central Florida. The scope of the unit’s responsibility embodies the university, state and federal agencies, and the general public.

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

Operational Excellence and Assessment Support (OEAS)

Director: Patrice Lancey
Research Pavilion, 12424 Research Parkway, Suite 225, Orlando 32826; 407-892-0275
http://www.oeas.ucf.edu

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

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

News and Information

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

The Office of News & Information is the university’s primary communications department, focusing on public and media relations, strategic internal communications, issues management and public affairs and emergency communications and preparedness. Staff members serve as the university’s official spokespersons and consistently offer high-quality, innovative and timely communications services to promote and enhance UCF’s reputation.

Regional Campuses Enrollment Services, Marketing and Outreach

Associate Vice President: Angé Peterson
University Towers, 12201 Research Parkway, Orlando 32826; 407-823-4547
http://regionalcampuses.ucf.edu

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

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.

UCF TV showcases the university to the world through innovative original content and strategic programming/production partnerships. UCF TV expands and enhances the UCF brand and reputation through strategic storytelling projects that are broadcast over the air, on cable and online.

UCF TV also provides high-quality video production services to internal and external clients.

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

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.

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.
Undergraduate Admissions

Associate Vice President: Gordon D. Chavis, Jr.
Progress Energy University Welcome Center; 407-823-3000
E-mail: admission@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 campus and all regional campus sites. The office’s primary mission is to identify, attract, and enroll talented, diverse, and academically qualified students who will contribute to, achieve growth and success at, and benefit from attending the University of Central Florida.

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

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

Campus Visit Experience

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

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

Application for Admission

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

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

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

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

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

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

Reactivation

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

Limited Access Programs

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

Orientation

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

Admission Categories

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

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

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

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

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

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

Freshman Applicants

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

High School Diploma

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

Entrance Examination Scores

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

High School Academic Units and Grade Point Average

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

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

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

If the High School GPA is:

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

*No minimum score required.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- At least 60 credit hours of academic work exclusive of occupational courses and basic required physical education courses;
- An approved general education program of at least 36 credit hours;
- A GPA of at least 2.0 on a 4.0 system for all college-level academic courses attempted. (Only the final grade received in courses repeated by the student shall be used in computing the average.); 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 foreign language in high school or the equivalent (minimum eight credit hours) of such instruction at the post-secondary level, must satisfy the admission requirements prior to graduation. Florida Community College Associate in Arts graduates are guaranteed the following rights under the Statewide Articulation Agreement (State Board of Education Rule 6A-10.024):

1. Admission to one of the eleven state universities, except to "limited access" programs (programs that have additional admission requirements);
2. Acceptance of at least 60 credit hours by the state universities toward the baccalaureate degree;
3. Transfer of equivalent courses under the statewide Course Numbering System;
4. Acceptance by the state universities of credit earned in accelerated programs (e.g., CLEP, AP, PEP, Dual Enrollment, Early Admission, and International Baccalaureate);
Meeting minimum GPA requirements does not guarantee admission.

Transfer Applicants - More Than 60 Hours, Have Not Received an A.A. Degree from a Florida Public Institution
Undergraduate transfer applicants who desire to be admitted as upper division students must have met, at least, all of the following requirements:
- A minimum of a 2.0 GPA and 60 credit hours of academic course work;
- The English and Mathematics requirements of the Gordon Rule;
- A minimum of eight credit hours of college instruction in a single foreign language. This requirement applies to those students without the required two units of a single foreign language in high school.
Meeting these minimum requirements does not guarantee admission.

Second Bachelor’s Degree Applicants
Second Bachelor’s Degree applications are processed by the Undergraduate Admissions Office or the Registrar’s Office. Guidelines for which office students should make application to are outlined as follows:
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Office of Undergraduate Admissions. Students should complete the undergraduate admissions application online at http://www.admissions.ucf.edu/.
- Students who have previously attended the University of Central Florida as a degree-seeking undergraduate student should apply through the Registrar’s Office. These students should follow the Readmission procedure located online at http://www.registrar.ucf.edu/forms/readmission/.

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

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

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

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

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

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

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

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

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

Josef Silny and Associates World Education Services
Undergraduate Admissions

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

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

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

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

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

Accredited Institutions
For the purposes of this Undergraduate Catalog, “Accredited Institutions” means those colleges and universities accredited by any of the following six regional associations:
- New England Association of Schools and Colleges;
- Middle States Association of Colleges and Secondary School, Commission on Institutions of Higher Education;
- North Central Association of Colleges and Schools, Commission on Colleges and Universities;
- Northwest Association of Secondary and Higher Schools, Commission on Higher Schools;
- Southern Association of Colleges and Schools; and
- Western Association of Schools and Colleges Accrediting Commission for Senior Colleges and Universities and Accrediting Commission for Junior Colleges.

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

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

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

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

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

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

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

Student Rights and Responsibilities
Students have the right to full information about the financial aid pro-
grams available at UCF, our application procedures, aid deadlines,
and the criteria used to determine a financial aid package. Students
have the right to appeal decisions made by the Office of Student
Financial Assistance. Students also have the right to equitable treat-
ment of their financial assistance applications. Although each stu-
dent’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 informa-
tion and instructions, meet all deadlines, and provide all information
and documentation accurately. Errors and omissions can cause delays
and prevent students from receiving assistance. Misrepresentation is
a violation of the law.

Student Eligibility
To receive aid from most federal and state financial aid programs,
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 stan-
dardized formula, calculates financial need. Those results are then for-
warded 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, stu-
dents should complete the Free Application for Federal Student Aid
(FAFSA)/Renewal FAFSA by mid-February. The processed results
of the FAFSA must be received by UCF by March 1st to meet our
application priority date.

- If the priority date is missed, students should apply as soon as
  possible after that date to be considered for the financial aid that
  is still available, such as the Federal Pell Grant, Federal Stafford
  Loan, and Federal PLUS Loan;
- Students should not wait to be admitted to UCF before applying
  for financial aid;
- Federal Pell Grants and Federal Stafford Loans are available on a
  year-round basis. Students may apply for financial aid in advance
  of any term and receive aid from these programs, if eligible;
- Students should have a complete financial aid file at least 60 days
  prior to the beginning of the semester. Students who apply late for
  aid should be prepared to cover their own living expenses, out-of-
  pocket, well into the term;
- A broad range of scholarships is available with diverse criteria.
  Please review the Scholarship Listing on the website for specific
deadline dates for individual scholarships.

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

Specific Eligibility Requirements and Conditions for
Receiving Financial Aid
- Students must be accepted and classified as degree-seeking at
  UCF in an eligible program;
- Students must maintain UCF’s Standards for Satisfactory
  Academic Progress;
- Students are required to inform the Office of Student Financial
  Assistance of any additional sources of aid they expect to receive
  beyond those listed on the award notification or award informa-
  tion provided on the Student Center on myUCF. Any subsequent
  awards or income may necessitate a revision of the financial aid
  award(s). This includes, but is not limited to, any private scholar-
  ships or third party tuition payment waivers;
Student Financial Assistance

- Students may not receive aid in excess of their Cost of Attendance;
- Students must not be in default on any federal educational loan or owe repayment on a federal grant at this or any other institution;
- Students must provide all information requested for the completion of their file. If selected, Verification must be completed within specified deadlines and prior to the receipt of all federal and most state and institutional funds;
- Students must notify the Office of Student Financial Assistance of any changes in their housing status, household size, or family members in college from that listed on their FAFSA;
- Students must reapply annually for financial aid;
- Students must accept, reduce or decline offered loan/s on the myUCF View Financial Aid screen. First time borrowers must complete an online Entrance Interview and Master Promissory Note (MPN) for a Federal Stafford Loan at UCF;
- Students must be a U.S. citizen or an eligible non-citizen, (e.g. resident alien). Eligible non-citizens include I-151, I-551, and I-888 cardholders as well as some I-94 classifications;
- Students must have a high school diploma or GED certificate;
- For need based programs, students must show a financial need as determined by the FAFSA;
- Male applicants must be registered with Selective Service, if applicable.

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

Helpful Hints
- Apply early to be considered for the full range of financial aid available each year by completing the Free Application for Federal Student Aid (FAFSA)/Renewal FAFSA. The processed results of the FAFSA must be received by UCF from the federal processor by March 1 to meet our application priority date;
- Make a copy of tax return forms before submission to IRS;
- Start a folder to save financial aid information and photocopies of all documents filed and received. Include student’s name and PID on all documents submitted. (Do not submit originals; documents will be shredded after scanning.)
- Activate Knights E-mail account and check it regularly to avoid missing important and critical information from Student Financial Assistance and the university;
- Complete all items necessary to apply for both a Federal Pell Grant and a Federal Stafford Loan, even if it doesn’t seem advantageous at the time. The law requires that students be considered for a grant before a loan is offered;
- Respond promptly to all information requests;
- If there are extenuating circumstances or problems at any time, call the appointment line, 407-823-5285, to meet with a counselor;
- Comprehensive information can be found on the website: http://finaid.ucf.edu.

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

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

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

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

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

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

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

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

Admission to UCF must be finalized with no contingencies. Students must be classified as degree-seeking. Verification, if required, must be completed. Students must meet the Standards for Satisfactory Academic Progress. If all eligibility is met, financial aid funds may be disbursed.

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

Deferrals of Tuition and Fees
Financial aid awards will normally result in a deferral of tuition and fee payments. Deferments allow for the time lag that normally occurs between the date that tuition and fees are due and the date on which financial aid disbursements are made, which is normally two to three weeks after the term begins. Students are responsible to pay any amount owed to the university that is not covered by estimated aid and/or other resources by the payment deadline. The deferral process occurs automatically if the student is meeting all general eligibility requirements and has enrolled in sufficient hours for the financial aid program/s. Please refer to the Program Eligibility Charts on the website for more information. Students should use myUCF to obtain up-to-date information. Since awards are subject to change, deferments are also subject to change.

In order for loans to defer tuition and fees, students must accept the offered loan on myUCF View Financial Aid screen. To have access to accepted loans, all required items on the To Do List must be submitted. Students must drop classes prior to the end of Add/Drop in order to not be fee liable for those classes. If students do not drop their classes, a financial aid deferment may keep the classes active even if they are never attended.

Estimated Cost of Attendance for 2011-2012

<table>
<thead>
<tr>
<th>Undergraduate Students</th>
<th>Fall/Spring based on 14 hours per term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Residents</td>
<td>Non-Florida Residents</td>
</tr>
<tr>
<td>Living Arrangement</td>
<td>On/Off Campus</td>
</tr>
<tr>
<td></td>
<td>Parent/Relative</td>
</tr>
<tr>
<td>Tuition and Fees</td>
<td>$4,518</td>
</tr>
<tr>
<td>Books</td>
<td>$924</td>
</tr>
<tr>
<td>Room &amp; Board</td>
<td>$8,574</td>
</tr>
<tr>
<td>Transportation</td>
<td>$1,800</td>
</tr>
<tr>
<td>Personal Expenses</td>
<td>$2,276</td>
</tr>
<tr>
<td>Total Costs</td>
<td>$18,092</td>
</tr>
<tr>
<td></td>
<td>$13,968</td>
</tr>
</tbody>
</table>
Disbursements
Timing of disbursements is contingent upon students meeting all conditions for receiving aid. Disbursement of financial aid begins the second week of the semester. At the end of Add/Drop, awards are adjusted based on student’s enrollment. The week following, the disbursement process is initiated by moving awards to the student’s account. Once funds are disbursed to the office of Student Accounts, the disbursement record is posted on myUCF under View My Account on the Student Center. Charges appearing on the student’s account will be deducted at that time. Any remaining financial aid will be processed as a refund with the exception of any PLUS Loan for Parents, which will be disbursed to the parent at their mailing address. If charges remain on the account after disbursements, or if subsequent charges are made to the student’s account, it is the student’s responsibility to make sure they are paid. Students signed up for direct deposit should allow up to four business days for funds to show in their bank account. For refund checks that are being mailed, students should allow at least a week to receive their check at their current mailing address on myUCF.

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

Satisfactory Academic Progress (SAP)
Federal regulations require the University to establish Standards of Satisfactory Academic Progress (SAP) for additional information regarding these two programs. For Completing Degree

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

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

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

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

Dual Enrollment
Students who have been approved to take classes at another institution while attending UCF might have those hours counted toward meeting financial aid requirements for some programs at UCF. Dual enrollment will not meet eligibility criteria for institutional aid programs, such as UCF Grant, UCF Scholars Award or Pegasus Scholarships. Courses taken elsewhere must meet some major or general education requirements to be calculated as part of student aid eligibility. All of the following documents must be submitted to the Office of Student Financial Assistance on or before the withdrawal deadline of the term in which aid is to be disbursed:
1. Dual Enrollment/Transient Form;
2. Advisor Certification Form with all required signatures;
3. A copy of the fee invoice and class schedule from other institution confirming that the classes and hours enrolled match the Transient Student Form; and,
4. A completed Consortium Agreement Form signed by the financial aid office of the transient school.

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

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

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

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

Professional Judgment
The formula used to determine eligibility for federal student aid is basically the same for all applicants. However, in some cases, special circumstances may be taken into consideration. Students with extenuating circumstances should schedule an appointment to review the situation with a counselor. There must be a very good reason to make any adjustments and proof must be provided to support any adjustments.
General Information
Student Accounts Services is here to serve the students who attend the University of Central Florida by maintaining accurate financial records and communicating with students concerning their accounts.
The Student Accounts Services office is responsible for:
- Tuition and Fee Assessment/Refunds
- Processing Payments
- Overdue payment and institutional loans collection (Loans and Collections)

Schedule of Fees
Note: 2011-2012 tuition and fees had not been established at the time of this publication. Rates for the 2011-2012 academic year will be available in early July 2011 at http://www.iroffice.ucf.edu/character/current_tuition.html.
Fees are subject to change without notice.

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

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

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

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

2010-2011 Fee Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Undergraduate (0000-4999)</td>
<td>Graduate (5000-7999)</td>
</tr>
<tr>
<td><strong>Tuition</strong></td>
<td>$96.67</td>
<td>$95.67</td>
</tr>
<tr>
<td><strong>Differential Tuition</strong></td>
<td>$15.83</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Out-of-State</strong></td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Out-of-State</strong></td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Building Fee</strong></td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td><strong>Capital Improvement Fee</strong></td>
<td>$2.44</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
<td>$4.78</td>
<td>$12.82</td>
</tr>
<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Activity and Service Fee</strong></td>
<td>$10.79</td>
<td>$10.79</td>
</tr>
<tr>
<td><strong>Athletic Fee</strong></td>
<td>$12.98</td>
<td>$12.98</td>
</tr>
<tr>
<td><strong>Health Fee</strong> (per hour)</td>
<td>$9.52</td>
<td>$9.52</td>
</tr>
<tr>
<td><strong>Transportation Access Fee</strong></td>
<td>$8.19</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.78</td>
<td>$12.82</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td>$167.35</td>
<td>$328.44</td>
</tr>
</tbody>
</table>

**Note:** Fees charged to main campus and Rosen College courses only.

2010-2011 Repeat Course Schedule*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Undergraduate (0000-4999)</td>
<td>Graduate (5000-7999)</td>
</tr>
<tr>
<td><strong>Tuition</strong></td>
<td>$96.67</td>
<td>$95.67</td>
</tr>
<tr>
<td><strong>Differential Tuition</strong></td>
<td>$15.83</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Non-Resident Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Building Fee</strong></td>
<td>$2.32</td>
<td>$2.32</td>
</tr>
<tr>
<td><strong>Capital Improvement Fee</strong></td>
<td>$2.44</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Financial Aid Fee</strong></td>
<td>$4.78</td>
<td>$12.82</td>
</tr>
<tr>
<td><strong>Non-Resident Financial Aid Fee</strong></td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Activity and Service Fee</strong></td>
<td>$10.79</td>
<td>$10.79</td>
</tr>
<tr>
<td><strong>Athletic Fee</strong></td>
<td>$12.98</td>
<td>$12.98</td>
</tr>
<tr>
<td><strong>Health Fee</strong> (per hour)</td>
<td>$9.52</td>
<td>$9.52</td>
</tr>
<tr>
<td><strong>Transportation Access Fee</strong></td>
<td>$8.19</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>$4.78</td>
<td>$12.82</td>
</tr>
<tr>
<td><strong>Repeat Course Fee</strong></td>
<td>$163.38</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>Total Per Hour Fees</strong></td>
<td>$330.73</td>
<td>$846.71</td>
</tr>
</tbody>
</table>

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

Other Fees: Resident and Non-resident*

<table>
<thead>
<tr>
<th>Fees Per Credit Hour</th>
<th>Florida Resident</th>
<th>Non-Florida Resident</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Distance Learning Course Fee</strong> (per hour)</td>
<td>$18.00</td>
<td>$18.00</td>
</tr>
<tr>
<td><strong>UCF Campus Card Fee</strong> (per academic year)</td>
<td>$10.00</td>
<td>$10.00</td>
</tr>
<tr>
<td><strong>Campus (ID) Card Replacement Fee</strong></td>
<td>$15.00</td>
<td>$15.00</td>
</tr>
<tr>
<td><strong>Material and Supply Fee</strong> (per term; approved courses only – varies per course)</td>
<td>$5.00-$45.00</td>
<td>$5.00-$45.00</td>
</tr>
<tr>
<td><strong>International Student Service Fee</strong> (per term)</td>
<td>$50.00</td>
<td>$50.00</td>
</tr>
<tr>
<td><strong>Repeat Course Fee</strong> (per hour)</td>
<td>$163.38</td>
<td>$163.38</td>
</tr>
<tr>
<td><strong>Equipment Fee</strong> (per term, for use of equipment)</td>
<td>up to: $90.00**</td>
<td>up to: $90.00**</td>
</tr>
</tbody>
</table>

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

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

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

Student Tuition and Fees
Student Tuition and Fees

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

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

Acceptable forms of payment:
- Checks
- Credit Cards
- E-Pay - https://my.ucf.edu – E-Check or Credit Card
- A nonrefundable $10.00 convenience fee will apply per transaction.
- Payments made at any time on day of the published fee payment deadline through 11:59 P.M. Eastern Standard Time will be considered on time.

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

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

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

Payment Drop – 24-Hour Depository at main Campus

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

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

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

Florida Prepaid College Plan
For any enrolled student who has a Florida Prepaid College Plan, the University will automatically defer only the portion of the tuition covered under the plan. All fees not covered by the plan are due by the fee payment deadline. If the student does not wish to utilize the Florida Prepaid Tuition Plan, the student must notify the Student Accounts Services by submitting a Florida Prepaid Tuition Plan Procedures form 41-905 request not to bill FPP on or before the first day of the Drop/swap and Late Add period. Submit written request as a scanned attachment in an e-mail or by fax.

The standard plan will cover $105.21 per credit hour (graduate or undergraduate level) for the 2010-2011 academic year. The plan does not cover the local fees of $41.48 per credit hour, material/supply fees, equipment fees, Distance Learning course fee, Technology fee for the UCF ID Service and Access fee. Florida Prepaid with the local fee plan, which is indicated on the Florida Prepaid Tuition Plan card, will cover an additional $33.93 per credit hour. For further details on the Florida Prepaid Tuition Plan please visit our website http://www.Fa.ucf.edu and click Forms. Then click on Student Services. Scroll down to Florida Prepaid Tuition Plan Procedures.

Note: The 2011-2012 tuition rates had not been established at the time of publication.

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

UCF Employees Tuition Waiver
All full-time general faculty, administrative and professional (A&P), and staff (formerly called USPS) employees of the University of Central Florida who are employed in an established position on the date fees are due and who meet academic requirements, including those employees on sabbatical, professional development, grants-in-aid, and educational leave, may be allowed to enroll for up to six (6) credit hours of eligible instruction per term on a space-available basis without payment of tuition and fees. UCF Employee registration occurs on the last day of regular Registration for each term, at the time specified on the Academic Calendar http://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, clinical courses, third-attempt repeat courses and surcharges, co-ops, or applied individualized instruction in music, art, or dance, etc. Any UCF employee who uses an Employee Tuition Waiver for approved courses must submit a completed and signed Tuition Waiver Form to the UCF Student Accounts Services by fax or as a scanned attachment in an e-mail. Please submit waiver forms by the last day of the Late Add Period. Employees who submit a waiver form after each term’s fee payment deadline may incur a $100.00 Late Payment fee. See the Academic Calendar http://www.registrar.sdes.ucf.edu/calendar/academic/ each term for the fee payment deadlines. Employees may obtain the “Employee Tuition Waiver Program” form, policy and instructions from the Registrar’s Office at http://www.registrar.sdes.ucf.edu/calendars/tuitionwaiver_program.html or the Registrar’s Office website at http://registrar.ucf.edu/forms/employee_waiver/. Students are encouraged to list alternate courses on their waiver form to substitute for...
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 by the end of the sixth month of the close of the semester/term to which the refund or other appeal action is applicable. Any debts to the University will be deducted from the refund, up to the full amount.

Full Refund Eligibility

The following conditions allow a full refund: 1) A class is dropped by the end of the Drop period; 2) Cancellation of a course by the University; or 3) The student is denied admission for any reason to a course offered by the University.

Partial Refund (25%)

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

Exceptional Circumstances

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

Direct Deposit

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

Past Due Accounts

All financial obligations to the University must be met. Failure to meet obligations can result in the withholding and denial of registration, diploma, transcripts, and readmission to the University. The services of a professional collection agency and recourse to the courts may also be invoked if deemed necessary. All costs of collection, including attorney’s fees, are borne by the debtor. Do not assume your registration will be canceled if you fail to pay fees or attend classes. Tuition deferrals, for example, will prevent class cancellation for non-payment. Payment guidelines for off-campus registration are contained on the off-campus registration form.

Late Fees

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

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

Fee Appeals

Students who desire to appeal a Late Registration Fee and/or a Late Payment Fee may make their appeal to the Fee Appeals Committee by initiating a student petition (Form 41-561). This form can be obtained online at http://fa.ucf.edu. Click Forms, Student Services, and Fee Appeals Petition. Students must submit their petitions to Student Accounts Services and may appear before the Committee (not mandatory). Send forms and back-up documentation as a scanned attachment in an e-mail or faxed to Student Accounts Services. Address faxed petitions to: Attn: Fee Appeals Coordinator, 407-823-6476.

Holds

Holds due to unpaid tuition and fees that prevent registration and the receipt of transcripts will automatically be removed overnight once fees are paid. Holds paid on-line may take up to two (2) business days to clear.

Florida Residency for Tuition Purposes

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

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

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 incidental to enrollment in an institution of higher education, and should be demonstrated as indicated below (for dependent students, as defined by Internal Revenue Service regulations, a parent or guardian must qualify).

And

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

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

2. Documentation establishing bona fide domicile in Florida which is not temporary or merely incidental to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile;
   b. Florida voter registration;
   c. Florida vehicle registration;
   d. Florida driver license or Florida identification;
   e. Proof of real property ownership in Florida (e.g., deed, tax receipts);
   f. Verification of permanent employment in Florida by the employer, employment records, or other employ-
Student Tuition and Fees

ment-related documentation (e.g., W-2 paycheck receipts), other than for employment normally provided on a temporary basis to students or other temporary employment. The document must show 12 consecutive months of Florida employment prior to the first day of classes of the term for which the student requests Florida residency;

g. Proof of membership in or affiliation with community or state organizations or significant connections to the State;

h. Proof of continuous presence in Florida during periods when not enrolled as a student;

i. Proof of former domicile in Florida and maintenance of significant connections while absent;

j. Proof of reliance upon Florida sources of support;

k. Proof of domicile in Florida of family;

l. Proof of admission to a licensed practicing profession in Florida;

m. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual;

n. Proof of graduation from a high school located in Florida.

3. No contrary evidence establishing residence elsewhere;

4. Documentation of dependent/independent status (notarized copy of most recent IRS tax return)

Or

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

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

Or

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

Or

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

Or

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

Or

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

Or

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

Or

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

Or

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

Or

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

Or

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

Or

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

Or

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

And

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

**Residency Reclassification**

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

To request a residency review, the student must submit a completed “Residency Reclassification Application and Affidavit” and supporting documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230). This form is available either at the Registrar’s Office or online at http://registrar.ucf.edu. This form must be accompanied by all documents that support the student’s Florida residency claim. Residency recategorization 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 residents requesting recategorization 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 recategorization 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 recategorization request and supporting documents. The submission of documents in itself does not qualify the student for Florida residency for tuition purposes. The Registrar’s Office will evaluate the submitted documentation and available information in a professional 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 recategorization should understand that living in or attending college in Florida does not automatically establish residency in Florida for tuition purposes. The student who comes to Florida to enroll in a Florida post-secondary educational institution as an out-of-state resident and continuously enrolls in a Florida institution normally will not meet the Florida residency requirement for in-state tuition regardless of the length of time enrolled. Living or attending school in Florida merely evidences physical presence. The student must provide documentation verifying that he or she has formed significant legal ties to the State of Florida. This documentation must establish that the Florida residence constitutes a bona fide domicile rather than serving the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education. Evidence establishing legal ties to states other than Florida may disqualify the student from Florida residency for tuition purposes. All determinative documents must be dated at least 12 months before the first day of class for the term in which residency is sought.

Students entering the second term of enrollment at UCF or later who believe that they qualify for Florida residency must submit the “Residency Reclassification Application and Affidavit” and all documents to the Registrar’s Office (MH 161) or Graduate Studies (MH 230) prior to the close of “Late Registration and Add period” for the term in which Florida residency is requested. Approved residency recategorization 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 recategorization eligibility determination and it will not complete its review of the residency recategorization application until both the student and the claimant have submitted all requested documents.

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

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

Introduction
The Division of Student Development and Enrollment Services (SDES) engages students in the total collegiate experience; from matriculation, to successful progression, graduation, and employment in a global workforce. This is accomplished by providing opportunities for enriched student development, leadership growth, experience based learning, values education and civic engagement which lead to overall student success.

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

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

The division is comprised of the following areas:

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

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

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

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

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

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

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

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

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

Career Services
Executive Director: Lynn Hansen
E-mail: career.sdes.ucf.edu
CSEL; 407-823-2361
http://www.career.sdes.ucf.edu

Career Services offers a comprehensive range of services to help UCF students of any major reach their academic and career goals with a talented staff of career specialists. These comprehensive services are designed to help First Year through Graduate students with all phases of career development to include:
- Major and Career Choices
- Academic and Career Information
- Resumes and Cover Letters
- Interviewing Skills
- Job Search Strategies
- Employment Assistance (Career Fairs, On-Campus Recruiting, Job Postings and Resume Referrals)
- Graduate School Information

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

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

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

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

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

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

The Creative School for Children is an Educational Research Center for Child Development that provides an early experience educational program for children ages 2-5 years old. The school is accredited by the National Association for the Education of Young Children (NAEYC). The learning environment in the Creative School classroom is facilitated by highly skilled, degreed teachers who offer a wide variety of experiences in art, music, language, motor skills, science, math, social studies, perceptual development, socialization, and self-discovery. Planned and spontaneous field trips and special family programs are part of the yearly schedule. The Creative School for Children also offers the Florida state Voluntary PreK (VPK) program for age eligible four year old children. Experiences in observation and training in academic areas also are made available to university students. Opportunities for educational research are available to university faculty, undergraduate and graduate students. The school educates children of university students, employees of the university, and community members. Operating hours are 7:30 a.m. to 5:30 p.m., Monday through Friday.

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

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

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

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

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

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

The First Year Experience Office combines orientation with extended first year transition programs including Pegasus Palooza, LINK and the Strategies for Success course. It assists entering freshmen and transfer students with their transition to the University of Central Florida.
Florida by providing information about student services, campus life, academic support, academic advising, and registration. Every freshman and transfer student is required to attend an orientation session prior to registration, online or in person. 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.

**Fraternity and Sorority Life**

Assistant Vice President, Student Development and Enrollment Services, and Director: Belinda Boston

SU 154 (Greek Council Office); 407-823-2072

http://www.greek.ucf.edu

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

Sororities or fraternities can offer students a “home away from home,” a scholastic support system, networking opportunities, an organization for community service, hands-on experience in running a working entity, and a foundation for long-lasting friendships. You can follow what’s happening within the Greek community via our Facebook page or on Twitter. Currently we have 44 fraternities and sororities on UCF’s campus with more than 3,000 active Greek students. Greek organizations give college men and women a chance to excel in any area they choose and include students of every race, religion, culture, and background.

Students are encouraged to take a closer look at UCF’s Greek community through participation in fraternity or sorority recruitment. The Interfraternity Council and Panhellenic Council sponsor “Recruitment” or “Rush,” which actually consists of visiting the various chapters to meet current members and to ask questions about their organizations. Diversified Greek Council (DGC) sponsors “Meet the Greeks” and the National Pan-Hellenic Council (NPHC) sponsors a Greek Expo, which allow students to become familiar with those groups comprising their governing body. Whether an individual chooses to join a fraternity or sorority, Recruitment, Greek Expo, and Meet the Greeks are excellent ways to meet people and become acquainted with involvement opportunities at the University of Central Florida.

**Health Services (HS)**

Director: J. Robert Wirag

HC 309; 407-823-2094

http://www.hs.ucf.edu

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

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

The UCF Health Center is staffed by Board-certified physicians, advanced 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 with filing 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 entities faculty, staff, and students to use UCF HS providers for their primary care needs and realize cost savings through covered services. We will bill any insurance company as a courtesy to our patients as they may be required to make arrangements for out-of-network benefits.

UCF endorses an optional health and accident insurance plan for students. Our current student health insurance plan is offered by United Health Care Student Resources and may be purchased by enrolling at (http://www.gallaherkerster.com/FloridaUSystem). This voluntary plan is separate from the health fee students are required to pay each semester. However, when purchased, the insurance will cover most of the Health Services charges without a co-pay and also provides benefits for services that are beyond the scope of the campus Health Services program, such as hospital referrals and specialty care (subject to co-pays and deductibles). Charges incurred outside the Health Center are the responsibility of the student, including transport by ambulance.

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

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

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

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

**Housing and Residence Life**

Executive Director: Christi Hartzler

HAB; 407-823-4663

http://www.housing.ucf.edu

The Department of Housing and Residence Life offers regularly enrolled single students paying registration fees for a minimum of nine credit hours housing on the Orlando main campus and the Rosen College of Hospitality Management. 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 separate application for Summer or 11.5 month annual agreement.

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

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

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

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

Director: Wayne Jackson

PH 102; 407-823-2716

[http://www.mass.sdes.ucf.edu](http://www.mass.sdes.ucf.edu)

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

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

Assistant Vice President, Student Development and Enrollment Services: Jimmy Watson

HAB 101; 407-823-6505

[http://www.housing.ucf.edu/offcampus/](http://www.housing.ucf.edu/offcampus/)

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

OCSS-SNR also provides UCF students who live off campus with information regarding a variety of on-campus programs and services. OCSS-SNR fosters a supportive environment for off-campus students by providing an advocacy for resolving problems, “on the spot” or by referring students to appropriate resources. The Office of Student Conduct offers mediation training and services directed at resolving interpersonal disputes while promoting individual responsibility. Mediation is a private, voluntary, decision-making process in which one or more impartial persons (mediators) assist people, organizations, and communities in conflict to work toward a variety of goals. Mediation services are provided to UCF students, faculty, and staff at no charge. Dispute Resolution Services also offers educational workshops and outreach programs to foster understanding and promote harmony within the university community. The UCF community would also consider this office as a place of support, encouragement, and guidance in handling college level issues associated with academic integrity, ethics, civility, and the UCF Creed.

**Office of Student Conduct**

Director: Dana Juntunen

FC 142; 407-823-4638

[http://www.osc.sdes.ucf.edu](http://www.osc.sdes.ucf.edu)

The Office of Student Conduct addresses alleged violations of the “Rules of Conduct” contained within the Golden Rule student handbook. Our goal is to educate students, faculty and staff on the issues related to the student conduct, community responsibilities, and behavioral expectations in the 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](http://www.goldenrule.sdes.ucf.edu).

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

**Student Legal Services**

Associate General Counsel: Patricia Dullaghan

FC 142; 407-823-2538

[http://www.sls.sdes.ucf.edu](http://www.sls.sdes.ucf.edu)

Student Legal Services provides students with advice and consultation, including court representation in selected areas of law such as landlord/tenant disputes, consumer issues, wills, uncontested divorces, name changes, Chapter 7 Bankruptcies, traffic tickets, criminal cases including misdemeanors and felonies of third degree, and sealing and expungement of criminal records. Services are provided free of charge to students who are currently enrolled at UCF and paying activity and service fees. Students in need of legal services should contact the Student Legal Services office. This service is by appointment only and no legal advice is given over the phone.

**PRIME STEM Student Support Services Program**

Director: Rebekah McCloud

PH 208; 407-823-4165

E-mail: rebekah.mccloud@ucf.edu

[http://www.prime.sdes.ucf.edu](http://www.prime.sdes.ucf.edu)

The PRIME STEM Students Support Services Program addresses the academic and social needs of eligible students enrolled at UCF who are first-generation in college, have a documented disability, or demonstrate financial need that are pursuing STEM related majors: Science, Technology, Engineering, and Mathematics. All PRIME STEM Project scholars have an opportunity to participate in a student success course, complete mandatory academic advising, be exposed to faculty, staff, and community partners who are employed in STEM occupations, and a host of other services including: Supplemental Instruction and tutoring, financial literacy, academic success workshops, professional and cultural events, personal and career counseling, mentoring, graduate school services and opportunities for undergraduate research, service learning, and conference attendance.
Recreation and Wellness Center (RWC)
Director: James Wilkening
RWC; 407-823-2408
http://www.rwc.sdes.ucf.edu

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

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

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

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

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

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

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

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

The UCF Regional Campuses Student Services offices at the Daytona, Cocoa/Palm Bay, South Lake, Ocala, Leesburg, Sanford/Lake Mary, Valencia West, Valencia Osceola and South Orlando campuses provide student services at each regional campus, including transfer orientation, career services, experiential learning, veteran services, transition assistance, and accommodations for students with disabilities. In addition, the offices provide programming and assistance to student organizations as well as provide various standardized test information.
Registrar's Office
University Registrar: Brian C. Boyd
MH 161; 407-823-3100, Registration HelpLine: 407-823-3533
E-mail: registrar@ucf.edu
http://www.registrar.sdes.ucf.edu

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

Student Academic Resource Center (SARC)

Director: Tiffany Greenis
9907 Universal Blvd., Suite 204-F, Orlando, FL 32819; 407-903-8150

SARC provides study assistance to students in historically difficult courses such as anatomy, biology, chemistry, microbiology, and physics. These peer-led study sessions give students in these courses an opportunity to meet outside of class to compare notes, discuss important concepts, and develop strategies on how to learn the subject matter. Free peer tutoring is also available for many UCF subject areas, such as accounting, physics, statistics, and biology, to name a few. In total, SARC provides individual and group tutoring for more than 25 courses.

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

SARC's professional academic advisors provide support for students in the Pegasus Success Program and the College Achievement Program.

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

Student Disability Services (SDS)

Director: Pamela Rea
FC 185; 407-823-2371
http://www.sds.sdes.ucf.edu

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

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

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

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

Student Government Association (SGA)

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

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

Additionally, student organizations may receive funding for events, activities, and travel to conventions. SGA coordinates its efforts with the Florida Student Association in lobbying for students' rights at the local, state, and national levels.
Student Government Association’s structure is modeled closely after the United States federal government system in that it contains three branches: executive, legislative, and judicial. The executive branch, comprised of the Student President, Vice President, and cabinet, oversees the daily administrative operation of SGA. The legislative branch funds student organizations and also passes bills and resolutions benefiting the student body. The judicial branch oversees hearings concerning constitutional and legislative issues.

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

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

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

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

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

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

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

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

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

**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, undecided, or changing majors;
- Current information about university programs and policies including entrance and exit requirements;
- Advocacy and assistance in resolving transfer issues;
- Transition advising services for currently enrolled juniors and seniors who are undeclared or changing majors;
- Peer Mentors provide transfer advising services and connections to the campus community, including Transfer Knights club;
- Written articulation agreements and inter-institutional relationships between the University of Central Florida and secondary schools, community colleges or universities; and,
- Articulation workshops and conferences involving instructional, advising, and administrative personnel from the university, community colleges, and other institutions.

**University Testing Center (UTC)**
Director: Rebecca Piety
PH 106; 407-823-5109
E-mail: utc@ucf.edu
http://www.testing.sdes.ucf.edu

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

UTC administers the following national standardized examinations:

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

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

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

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

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

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

**Veteran Services**  
**Assistant University Registrar:** James Middlekauff  
Veterans Academic Resource Center, ARNA; 407-823-2707  
E-mail: varc@mail.ucf.edu  
http://www.va.ucf.edu

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

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

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

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

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

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

To continue to be able to receive VA educational benefits, students must maintain satisfactory academic progress and conduct.

Accordingly benefits will be terminated for individuals who are disqualified, excluded, suspended, or expelled from the University. If reinstated by the University following disqualification, exclusion, suspension, or expulsion, the veteran or eligible dependent must contact Veterans Services to have their VA educational benefits re-activated. Individuals placed on academic probation will continue to receive benefits as long as he or she earns a 2.0 or higher GPA each term. Veterans and eligible dependents also may draw VA benefits during the periods of eligibility while on Cooperative Education assignments. Payment is received during both the on-campus and off-campus work terms. Contact Veterans Services for more specific benefit information on Cooperative Education.
The following section presents information to help students accomplish a smooth and efficient transfer to UCF. Students transferring with an A.A. from a Florida public community college or state university are guaranteed certain rights and privileges according to the statewide Articulation Agreement. Students transferring without an A.A. from a Florida public institution will want to pay particular attention to UCF’s general education program and how their transfer credits apply to their degree requirements.

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

Where Can I Go For Help?

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

Transfer and Transition Services provides the following services and resources:

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

How Can a Community College Counselor or Advisor Help Me?

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

DirectConnect to UCF provides A.A. and A.S. students and alumni of Brevard Community College, Lake-Sumter Community College, Seminole State College, and Valencia College guaranteed access to UCF. Meet with a DirectConnect advisor as soon as you earn 30 credit hours. At the Valencia College East Campus, TTS provides DirectConnect to UCF pre-admission and transition advising in Building 5, room 230; call 407-582-2741 to set up an appointment.

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

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

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

If you do not complete an A.A. 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).

You must satisfy the CLAS by the time you have completed 36 hours of upper-division course work, or you will be placed on hold, and unable to take any more upper division classes until the requirement is met. UCF accepts the CLAS alternatives and waivers awarded by Florida public community colleges and universities.

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

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

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

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

Transfer Checklist

<table>
<thead>
<tr>
<th>Before Completing the A.A. or Articulated A.S.</th>
<th>Immunization</th>
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</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>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Application for Admission</th>
<th>Foreign Language Requirements (Admission)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong><strong>/</strong></strong> date submitted</td>
<td>Y___ N__ 2 years/units earned in high school</td>
</tr>
<tr>
<td>Y___ N__ checked admission status at <a href="https://my.UCF.edu">https://my.UCF.edu</a></td>
<td>Y___ N__ 8-10 credits earned at the college level</td>
</tr>
<tr>
<td><strong><strong>/</strong></strong> date of acceptance</td>
<td>Y___ N__ credits to be taken at the university</td>
</tr>
</tbody>
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<thead>
<tr>
<th>Transcripts (original transcript from all institutions attended)</th>
<th>Note: Although American Sign Language may be used to satisfy the UCF admission requirement, it may not satisfy graduation requirements of the specific major.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y___ N__ transcripts sent from all current and prior institutions</td>
<td></td>
</tr>
<tr>
<td>Y___ N__ date final transcript sent after term completed</td>
<td></td>
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</tbody>
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<table>
<thead>
<tr>
<th>Financial Aid/Scholarship</th>
<th>Program (Major) Requirements</th>
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<tbody>
<tr>
<td><strong><strong>/</strong></strong> date financial aid application (FAFSA) sent</td>
<td>Y___ N__ selected a major</td>
</tr>
<tr>
<td><strong><strong>/</strong></strong> date SCHOLARSHIP application sent</td>
<td>Y___ N__ completed major prerequisites</td>
</tr>
<tr>
<td>Y___ N__ “to do” list checked on myUCF</td>
<td>Y___ N__ submitted limited access application</td>
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</tbody>
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<tr>
<th>Housing</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Y___ N__ reviewed OCSS handbook: Survival Guide for Living off Campus</td>
<td>Y___ N__ met grade point average (GPA) requirements</td>
</tr>
<tr>
<td><strong><strong>/</strong></strong> date application sent (include deposit when required)</td>
<td>Y___ N__ met cumulative GPA for admission to program of study</td>
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</tbody>
</table>

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<tr>
<th>Orientation:</th>
<th></th>
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<tbody>
<tr>
<td><strong><strong>/</strong></strong> Orientation date at UCF</td>
<td>Y___ N__ met grade requirements for designated courses</td>
</tr>
<tr>
<td></td>
<td>Y___ N__ met audition/portfolio/additional admission requirements</td>
</tr>
<tr>
<td></td>
<td>Y___ N__ completed CLAS requirements</td>
</tr>
</tbody>
</table>

___/___/___ date application sent | 50 Undergraduate Catalog 2011-2012
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 Prerequisite Manual. Usually these courses will be substituted automatically in your audit to fulfill the correct requirement.

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

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

When Do I Pay My Bill?

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

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

Transfer Tips:

Office Visits for Transfer Advising

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

Students should:

- Submit your application at least six months in advance. Do not wait until the A.A. is awarded to apply. You can be admitted contingent upon completion of the A.A. if you meet specific admission requirements. By applying early and being admitted, you will be invited to an early Orientation.
- Keep a transfer diary. For each contact with UCF, record the name of the person with whom you spoke, the date, and the type of request. Keep a copy of all correspondence you send and receive.
- Have original transcripts from all institutions you have attended sent directly to the Undergraduate Admissions Office. If you are currently enrolled, send a transcript when applying and a final transcript when classes are completed.
- Attend the earliest Orientation session possible. You will have more course selections and registration choices. You should bring copies of all transcripts (transcripts sent in for admissions purposes are not available for advising during Orientation). You are advised (in groups) and then allowed to register. Tuition and fee payments are due by the published deadline.
- Complete the “Student Health Form.” Registration is not allowed without the completion and approval of this form.
- Attend the earliest Orientation session possible.
- 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.
Responsibilities

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

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

Freshman (First Time in College - FTIC)

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

New FTIC Students can expect to:
1. Attend a mandatory UCF Orientation that will provide:
   a. Initial academic advising in a group setting and preparation for the first term, including schedule planning and registration
   b. An assessment of high school grades, entrance and placement test scores, and AP, dual enrollment and CLEP credit;
   c. An awareness of expectations for success at UCF; and,
   d. Information about key academic policies and important deadlines.
2. Connect with their first year advising office according to the following designated priority order:
   a. First Year Advising and Exploration (FYAE) - for first year students in the EXCEL LEARN Living Learning Community, STEP, and the Out of State Student Mentoring (OSSM) Living Learning Community programs and those not in a special population listed below (PH 116)
   b. Academic Services for Student-Athletes (ASSA) - for student athletes (WDSC 110)
   c. Student Academic Resource Center (SARC) - for Participants in the College Achievement Program (CAP) and Pegasus Success Program (PH 113)
   d. Multicultural Academic and Support Services (MASS) - for all students in the SOAR program (PH 102)
   e. Sophomore and Second Year Center (SSYC) - for freshman students entering UCF with 30 or more college credits earned through accelerated mechanisms from AP, IB, CLEP, and/or dual enrollment courses (PH 215)
   f. Pre-Nursing and Pre-Dentistry (PND) - for students in the pre-nursing and pre-dentistry programs (PH 216)

These offices provide students with general education advising, academic exploration for undeclared students, academic support, registration assistance, and on-going information about University policies and procedures throughout the first year of college experience. For more information about the first year advising offices and their services, please see the "Student Development and Enrollment Services" chapter of this Undergraduate Catalog.
3. Participate in programs and advising activities that will promote a successful transition from high school to the university.
4. Transition to an academic advising office within the college of the student's chosen major after the completion of his or her first year.

The Burnett Honors College

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

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

College of Arts and Humanities

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

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

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

Graduating students will:
1. File the online intent to graduate form by the posted deadline for the semester in which they intend to graduate. Please note that the deadline for filing is always the semester prior to the semester in which you intend to graduate.
2. Meet with a CAHSA advisor after filing the online intent to graduate and prior to the deadline for filing the intent.
3. Maintain current contact information and regularly check their Knights E-Mail account.
**Academic Advising**

**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. Register at scheduled appointment time. Register in myUCF, or in person at the USS Office for registration dates each term;
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.

**Continuing students will:**
1. Meet with an academic advisor in the USS to review academic progress and develop or update an academic plan. This plan should be reviewed prior to registration each term;
2. Review Degree Audit on myUCF. Check myUCF, CBA TV monitors, or the USS Office for registration dates each term;
3. Register at your scheduled appointment time. Register in myUCF if admitted to the major. All changes to your class schedule must be completed by the end of the drop/swap and add periods;
4. Complete all prerequisites prior to admission to upper division classes; and,
5. Meet with an academic advisor in CBA 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 with college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in 3000/4000 level classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education;
2. Be advised by the College of Education Academic Advising Center (ED 115 if their major is Elementary Education or Education Pending Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-5369; and,
3. Be assigned to an academic advisor in group settings during Orientation to:
   a. Discuss degree program requirements;
   b. Understand career options of the major program of study;
   c. Understand expectations and responsibilities associated with a career in education;
4. Be advised by the College of Education Academic Advising Center (ED 115 if their major is Elementary Education or Education Pending Academic advising sessions may be scheduled by calling 407-823-3723 or 407-823-5369; 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 a faculty advisor in the department of their major prior to registration;
2. Register at scheduled appointment time in myUCF, or in person at 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 CBA during the semester/term prior to the anticipated graduation term.

**College of Health and Public Affairs**

**New students will:**
1. Meet with college advising representatives in a group setting during Orientation to:
   a. Discuss degree program requirements;
   b. Understand career options of the major program of study;
   c. Plan an appropriate first semester class schedule; and,
2. Be advised in the USS if the major is Business Pending and the student is classified as at least Sophomore standing.

**Continuing students will:**
1. Meet with an academic advisor in the USS if the major is Business Pending and the student is classified as at least Sophomore standing.
2. Register at scheduled appointment time in myUCF, or in person at 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 the department of their major during each term. Computer Science majors will be advised by the CECS Academic Affairs Office (AAO) in HEC 439; and,
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering or computer science advisement hold. This plan must be submitted online to the CECS Academic Affairs Office each time a student uses the registration process; and,
7. File the "Intent to Graduate" through myUCF and meet with an advisor for graduation check in the CECS Academic Affairs Office, by the last day of classes of the term prior to the term in which the student intends to graduate.

**College of Medicine**

**Burnett School of Biomedical Sciences**

**New students will:**
1. Meet with 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. Meet with an 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 pending majors. Students are encouraged to seek advisement on determining a major as soon as possible. Failure to declare a major by the end of the first year may result in a delay of graduation.

**Continuing students will:**
1. Meet with an advisor in the CECs Academic Affairs Office or the department of their major during each term. Computer Science majors will be assigned a faculty advisor once they have passed the Computer Science Foundation Exam. Until that time, Computer Science majors will be advised by the CECs Academic Affairs Office or Computer Science Undergraduate Advising Office in HEC 439;
2. Set up an appointment with an advisor to review your academic progress and to develop an academic plan. Review this plan each term with the advisor prior to registration;
3. Use the flow diagram or four year plan received during Orientation to progress through the degree requirements;
4. View a Degree Audit, the registration time, and search for classes (once the class schedule is available) through myUCF at https://my.ucf.edu;
5. Register at the scheduled appointment time in myUCF, or in person in the CECs Academic Affairs Office (AAO). Complete all schedule changes by the end of the published Add period;
6. Submit a written schedule plan signed by their AAO advisor each term if you have been placed on an engineering or computer science advisement hold. This plan must be submitted online to the CECs Academic Affairs Office each time a student uses the registration process; and,
7. File an "Intent to Graduate Form" 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.
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;
- 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 Adviser 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 curriculums includes many courses required for admission to most professional schools.

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

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

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

Curricula Guidelines

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

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

  - General Biological Sciences: BSC 2010C, 2011C
  - Genetics: PCB 3063
  - General Chemistry: CHM 2045C, 2046, 2046L
  - Organic Chemistry: CHM 2210, 2211, 2211L
  - Biochemistry: BCH 4053
  - Biochemistry/Molecular Lab: BCH 4103L or BSC 3403C
  - Microbiology: MCB 3020C
  - Calculus: MAC 2253 (prefer MAC 2311, 2312)
  - Physics: PHY 2053C, 2054C or PHY 2048, 2049
  - Statistics: STA 2023

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

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

Dates of Importance

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

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

College of Nursing

New students will:

Meet college advising representatives in group settings during Orientation to:

1. Discuss degree program requirements;
2. Understand career options of the major program of study; and,
3. Plan an appropriate first term class schedule.

Continuing students will:

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

College of Sciences

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

New students will:

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

Continuing students will:

1. Contact the department of their major and meet with a faculty advisor during the first two months of any semester to review progress and plan a program of study;
2. Meet with their academic advisor in the department of their major prior to registration, and before the beginning of the term to ensure their schedule is 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.
Academic Advising

Graduating students will:
1. Do all of the following steps during the term prior to your term of graduation:
2. Review the COS graduation instructions available at http://undergrad.cos.ucf.edu/current/graduation.php (click on graduation tab);
3. Schedule and attend a graduation review appointment with a COSAS advisor; and,
4. Complete the on-line graduation application on myUCF within the dates specified at http://www.registrar.sdes.ucf.edu/calendar/

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

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

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

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

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

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

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

Orlando Campus students may receive supplemental advising on the Regional Campus, in partnership with the College of the major on the Orlando Campus; this will aid the student in taking courses that are offered at the Regional Campus if they are a part of the students’ degree program.
Registration Policies
During each academic term, registration is held for all new, currently enrolled, degree-seeking and non-degree-seeking students for the following term. Registration sessions consist of Registration and Late Registration (held during the first week of classes for each term/session). Spring Registration begins following midterms for the Fall and Spring semesters. Summer and Fall Registrations begin following the midterms 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/web/.

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

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<thead>
<tr>
<th>Undergraduate Enrollment Status</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Time</td>
<td>12 or more</td>
</tr>
<tr>
<td>Three Quarter Time</td>
<td>9-11</td>
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<tr>
<td>Half Time</td>
<td>6-8</td>
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<tr>
<td>Less Than Half Time</td>
<td>less than 6</td>
</tr>
</tbody>
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Note: Graduate and post-baccalaureate students please refer to the online Graduate Catalog for enrollment status policies.

Credit Hour Limits
Undergraduate students are limited to 14 credit hours for the Summer term and to 17 credit hours for each of 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 explanation of the excess hours rule can be found on the University Registrar’s Office web site at http://registrar.sdes.ucf.edu.

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

Drop/Swap and Add Policy
Drop/Swap and Add are the periods following initial registration when students may make class schedule adjustments (as listed in the “Academic Calendar”). Drop/Swap or Add may be done using the myUCF system (https://my.ucf.edu) or in the college advising offices. After the Drop-Swap period, no course may be dropped without being fee liable. Courses meeting for the first time after the end of the Drop/
Students registering in this category should be aware of the limitations of this status, and are encouraged to apply for regular admission to the University.

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

State Tuition Exemption Program (STEP-National Guard) students register on a space-available basis only. Registration is only available based on the last 20 semester hour residency requirement for an Associate of Arts degree, or any departmental residency requirements. Submit the completed, approved and signed form to the Registrar’s Office (MH 161), certifying to the Registrar’s Office (MH 161), certain college advising offices, or a Regional Campus record office. Students may withdraw by fax at 407-823-5652. Faxed requests must be received by 5:00 p.m. on the last day to withdraw and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students must also mail a written request to the Registrar’s Office, P.O. Box 160114, Orlando, FL 32816-0114. This letter must be time-stamped or postmarked before the published withdrawal deadline and must include the student’s identification number, the course(s) from which to be withdrawn and his or her signature. Students seeking to withdraw in person must sign the request and must provide photo identification. The official date of withdrawal is the date the University receives the withdrawal request. Requests received by mail are processed using the postmark as the official date of withdrawal. Withdrawing from classes may have financial aid, NCAA eligibility or international visa consequences. Students should seek appropriate advisement prior to withdrawing from a class. If a student withdraws from courses for an entire term with the intent of not returning to UCF, they must also drop courses for any future terms or be fee liable and receive a grade.

A student is not automatically withdrawn from a class for not attending, nor can an instructor 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 visit the Academic Services (MH 210). Students who are granted a late withdrawal will be given a passing or failing grade from the instructor of the course. If the student was passing, a "WP" will be recorded on the student’s permanent record; if failing, a "WF" will be entered which will be applied to the Grade Point Average. Late withdrawals normally are for all courses taken in the term.

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

If a medical withdrawal is approved, a "WM" will be recorded for each course. Students who receive a medical withdrawal will be placed on hold for any subsequent semester until the UCF Grade Point Average is determined that the student is ready to return. If a medical withdrawal is approved, it is expected that the student does not enroll at the University in the immediately subsequent term, but will use that time to address the medical condition that necessitated the withdrawal. It is the student’s responsibility to drop all courses for any future term or be fee liable. If a medical withdrawal is not approved, the request may be approved as a late withdrawal and grades of "WP" or "WF" will be recorded. A grade of "WF" will affect the calculation of the student’s grade point average. Students who apply for a medical withdrawal after the next semester has already begun may be dropped from their courses because there is no evidence that they have addressed the medical condition for which the withdrawal was requested.

Following the close of the Late Registration and Drop/swap period each term, students withdrawing from courses will incur both grade and fee liability. Students with circumstances determined by the University to be exceptions 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.
Academic Regulations and Procedures

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

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

<table>
<thead>
<tr>
<th>Grade Points</th>
<th>Semester Hour of Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.00</td>
</tr>
<tr>
<td>A-</td>
<td>3.75</td>
</tr>
<tr>
<td>B+</td>
<td>3.25</td>
</tr>
<tr>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>B-</td>
<td>2.75</td>
</tr>
<tr>
<td>C+</td>
<td>2.25</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>
<td>1.00</td>
</tr>
<tr>
<td>D-</td>
<td>0.75</td>
</tr>
<tr>
<td>F</td>
<td>0.00</td>
</tr>
<tr>
<td>NC</td>
<td>0.00</td>
</tr>
</tbody>
</table>

*Available only in CHM 1032, CHM 2045C, CHS 1440, ENC 1101, ENC 1102, MAC 1105H, MAC 1105, MAC 1114, MAC 1140, MAC 2147, MAC 2233, MAC 2241, MAC 2253, MAC 2281, MAC 2281H, MAC 2311, MAC 2311H, and STA 2014C. In these classes NC replaces the use of D+, D- and D.

Legend Action | Grade Points |
----------------|--------------|
I               | incomplete   |
N               | No grade reported by instructor (followed by grade) |
R               | Repeated course (Grade Forgiveness) |
S               | Satisfactory (w/credit)/Satisfactory Progress (Research, Thesis, or Dissertation) |
T               | (followed by grade) Subsequently repeated (no credit) |
U               | Unsatisfactory (no credit) |
W               | Withdrawn |
WF              | Withdrawn Failing 0.00 |
WH              | Health Form Withdrawal |
WM              | Medical Withdrawal |
WP              | Withdrawn Passing |
X               | Audit (no credit) |

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

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

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

Example: A student has completed 13 credit hours for a given term. To calculate the Term GPA:

1) Multiply the number of credit hours per course by the number of grade points per grade. Then add each amount to arrive at the total number of grade points earned for that term:

- Course #1 B+ 3 credit hours X 3.25 grade points = 9.75
- Course #2 A- 3 credit hours X 3.75 grade points = 11.25
- Course #3 A 4 credit hours X 4.00 grade points = 16
- Course #4 B 3 credit hours X 3.00 grade points = 9

Total = 13 credit hours = 46 total grade points

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

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

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

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

Grade Change
A grade change is the change of any originally assigned grade to another grade, including grades of “I” and grades earned by administrative withdrawals. GPA is recalculated after the grade change. Grade changes other than medical withdrawals will be considered only during the term immediately following the one in which the grade was assigned, except that grades assigned during the Spring semester may be changed during either the following Summer term or Fall semester. A change in grade must be approved by the dean of the college or school. A grade will not be changed after a degree has been conferred. The Registrar will change a student’s academic status if 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 conferences), military obligations, severe weather conditions, and religious holidays.

Students also should be excused for participation in official University-sponsored activities, such as music performances, athletic competition, or debate. Students chosen for such events, including intercollegiate athletics, band, choir, and academically related programs, shall be listed on a “Program Verification” form. Program Directors shall provide each student with a copy of this form. It is the student’s responsibility to present a copy of this form to the faculty member(s)
responsible for the class from which the student will be absent. This verification is to be provided prior to the class period whenever possible and no later than the first class following the event. A copy of the form listing students selected to represent the University and signed by the Program Director shall be filed with the Office of Student Rights and Responsibilities (FC 155). If further verification is needed, contact the Office of Student Rights and Responsibilities (FC 142; 407-823-6960) or, for athletic events only, Academic Services for Student-Athletes, Wayne Densch Center 1, 103A; 407-823-5896.

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

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

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

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

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

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

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

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

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

Freshman: 0-29 credit hours
Sophomore: 30-59 credit hours
Junior: 60-89 credit hours
Senior: 90 or more credit hours, prior to completion of baccalaureate requirements

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

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

Other Student Classifications:
Audi tor: A student registered for any credit course who is not seeking credit.
Co-op Student: A student enrolled in the Center for Cooperative Education and Applied Learning Program remains a registered student during all off-campus assignment semesters. Furthermore, there is no lapse in continuity in the co-op academic calendar: a co-op student either is on assignment or attending class during each term.

Special Student:
A student of demonstrated academic ability who does not meet the regular requirements for admission (Early Admission, non-degree-seeking, transient, and auditor).

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

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

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

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

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

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

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

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

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

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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.irloffice.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 "Honor in the Major" in the The Burnett Honors College portion of the Undergraduate Catalog.

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

1. Grade Forgiveness is limited to two courses;
2. Grade Forgiveness may not be used twice for the same course;
3. Grade Forgiveness will only be awarded if the original and repeated courses both are taken at UCF;
4. All grades will remain on the student's official transcript. The original course grade will be marked with a "T" to indicate that the course subsequently has been repeated, or a note describing the initial attempt, and the repeat course grade will be marked with an "R." The original grade will appear on the transcript but only the repeated course grade will be calculated into the GPA;
5. If it is determined that the student is ineligible for the Grade Forgiveness policy, neither a refund of fees nor automatic withdrawal from the course will be made;
6. If a student applies for Grade Forgiveness and later withdraws, or receives an "I" grade or "NC" grade in the course, the attempt will count as one of the allotted Grade Forgiveness attempts, and the GPA will calculate both grades;
7. UCF does not honor Grade Forgiveness granted at other institutions unless it is part of an Associate in Arts or a specific statewide articulated Associate in Science degree transferred from a Florida 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 GPA point deficiency is equal to or greater than 30 grade points is not eligible for readmission. For readmission purposes only, "grade point deficiency" is defined as the number of UCF credit hours earned with a "B" (3.0 GPA) grade that a student requires to raise his or her UCF grade point average to 2.0.

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

Earning Credit While Disqualified
A student disqualified while a freshman or sophomore who subsequently receives an A.A. degree with a minimum "C" average (2.0 GPA) on all college work attempted from a Florida public community college has the right to appeal for readmission, in accordance with standard University policies. However, readmission is not guaranteed, and the student seeking readmission will be required to follow all academic regulations and procedures associated with readmission after suspension.
Readmission
A student must apply for readmission to the Registrar’s Office (MH 161) if:
1) the student has not enrolled at UCF for two consecutive semesters (not including the Summer term);
2) the student has been academically suspended from UCF;
3) the student failed to enroll or withdrew from all classes during the readmitted term; or,
4) the student has previously attended, or is currently enrolled at UCF, as “degree-seeking” and desires to pursue a second bachelor’s degree.

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

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

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

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

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

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

1. Submit a written statement indicating the reason for the previous academic difficulties and a plan for ensuring success in future terms:
   a. The written statement should be limited in length to one typed page; it must be signed and dated, and include the student’s UCF Personal Identification Number (PID).
   b. A “Readmission Application Form” not accompanied by the required written statement will not be reviewed.
2. Contact the Registrar’s Office for information specific to readmission following disqualification. Please note that a plan to complete the program of study from your intended major’s department/school/college may be required as part of the readmission application packet. Until removed from probationary status following readmission, a student will not be allowed to change majors unless prior approval is authorized by all departments/schools/colleges offering the student’s current field of study and the field of study to which the student is seeking the change; and
3. Submit to the Registrar’s Office official transcripts from all other schools attended during suspension (if applicable).

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

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

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

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

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

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

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

Appeal
There is no appeal of the University’s decision not to admit or readmit a student based on past misconduct. According to the Florida Administrative Code 6C-6.001(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" form not accompanied by the required written statement will not be forwarded to the Admissions and Standards Committee;
3. Provide documents which support and/or verify the extenuating circumstances (if applicable);
4. Supply official transcripts from all other schools attended during the suspension (if applicable);
5. Order one official copy of the UCF official transcript ($10 per copy). The Registrar's Office will forward this transcript to the Admissions and Standards Committee;
6. Submit ten stapled packets of appellant materials to the Registrar's Office (MH 161) by 12:00 p.m. (noon) Monday prior to the scheduled Admissions and Standards Committee meeting. The packet must contain the following documents, arranged in the following order:
   a. A completed "Application for Readmission as an Exception to University Policy Form";
   b. Written statement indicating the extenuating reasons for the previous academic difficulties and a plan for ensuring success in future terms;
   c. Any supporting documentation as directed by the college, school or other University personnel;
   d. Any additional supporting documentation (optional); and,
   e. Degree Audit (obtained from myUCF at https://my.ucf.edu).

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

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

**Academic Amnesty Program**

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

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

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


**Athletic Eligibility and Retention Committee**

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

**Name Changes**

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

**Address and E-mail Changes**

The student's address is initially obtained from the "Application for Admission or Readmission." It is the students' responsibility to make appropriate changes to the address online at myUCF as they occur. Address and e-mail changes also can be made by writing the Registrar's Office, P.O. Box 160114, Orlando, FL 32816-0114 or fax to 407-823-5652. Written requests must be signed and the student identification number provided.
Transcript Requests
Requests for official transcripts are made online via myUF (https://my.ucf.edu), through the Registrar’s Office in person, or by mail. "Transcript Request Forms" are also available on the Registrar’s Office website at http://www.registrar.ucf.edu/forms/transcript_request/. A student’s academic record can be released only upon written authorization signed by the student. Telephone and e-mail requests are not accepted. Transcripts cannot be released if the student is on Hold due to a financial obligation to the University. Transcript requests must include the student’s signature, full name, identification number, and the name and complete address of the person(s) or organizations to whom transcripts are to be sent. If final grades or degree statement are needed, indicate that the transcript request is to be held until all requested data are posted.

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

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

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

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

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

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

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

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

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

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

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

Student Records
Student records submitted be 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 on paper form or are digitally scanned. Once the student has been absent from the University for three academic years, all records may be transferred to optical disk storage and the paper copies destroyed.
Family Educational Rights and Privacy Act (FERPA)
The procedures for protecting the confidentiality of student records are based on state regulations and the federal Family Educational Rights and Privacy Act of 1974. FERPA affords students certain rights with respect to their education records. They are:

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

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

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

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

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

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

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

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

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

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

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

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

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

Advanced Placement Program (AP) (see table below)

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

### ADVANCED PLACEMENT (AP)

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</table>

**Advanced Placement Language (all modern languages)**

A score of 3 earns a minimum of one semester (min. 3 credits - XXX 2230 or 2200) of 2000-level language. A score of 4 or 5 earns a minimum of two semesters (min. 6 credits XXX 2230 or 2231 or XXX 2200 and 2201) of 2000-level language. No literature credit will be awarded for AP foreign language exams.

**Advanced Placement Literature (all modern languages)**

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

**Advanced Placement Latin**

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

AP Latin:  Vergil  LNW 2321  
AP Latin: Latin Literature  LNW 3700 (number unique to exam)

**International Baccalaureate Program**

(see table on next page)

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

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**UNIVERSITY OF CENTRAL FLORIDA**

*Academic Regulations And Procedures*

*Undergraduate Catalog 2011-2012*
International Baccalaureate (all modern languages)

International Baccalaureate offers examinations in many languages and literatures at different levels: B, A2, and A1. Most students in Florida take English as their A1 level language (literature for native or near-native speakers) and one or more foreign Language B exams. Within each category, there are “standard” and “higher” level examinations. Institutions may wish to award additional credit for higher-level exams.

Language B (most common)

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

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

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

**Language A1 (literature courses for native speakers; languages other than English)**

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

**IB Latin**

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

**College Level Examination Program (CLEP)**

(see table on previous page)

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

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

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

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

### CAMBRIDGE AICE EXAMS

<table>
<thead>
<tr>
<th>Exams</th>
<th>Passing score of “A”, “B”, “C”, “D” or “E”</th>
<th>GEP Usage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting (AS-Level)</td>
<td>ACG 1001</td>
<td></td>
</tr>
<tr>
<td>Accounting (A-Level)</td>
<td>ACG 1001 and ACG 1906</td>
<td></td>
</tr>
<tr>
<td>Art and Design (A-Level)</td>
<td>ART 1906</td>
<td></td>
</tr>
<tr>
<td>Art and Design (AS-Level)</td>
<td>ART 1906 and ART 1907</td>
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</tr>
<tr>
<td>Biology (AS-Level)</td>
<td>BSC 1005/1005L</td>
<td>SCI Found 2</td>
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<tr>
<td>Biology (A-Level)</td>
<td>BSC 1906C and BSC 1906</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>Business Studies (AS-Level)</td>
<td>GEB 2011</td>
<td></td>
</tr>
<tr>
<td>Business Studies (A-Level)</td>
<td>GEB 2011 and GEB 2905</td>
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<tr>
<td>Chemistry (AS-Level)</td>
<td>CHM 1020/1020L</td>
<td>SCI Found 1</td>
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<tr>
<td>Classical Studies (AS-Level)</td>
<td>CJA 1010</td>
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<tr>
<td>Chemistry (A-Level)</td>
<td>CHM 1020C and CHM 2045C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Computing (A-Level)</td>
<td>CGS 1073</td>
<td>MAT Found 2</td>
</tr>
<tr>
<td>Computing (AS-Level)</td>
<td>CGS 1073 and CGS 1074</td>
<td>MAT Found 2</td>
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<tr>
<td>Design &amp; Technology (A-Level)</td>
<td>ETI 148C2</td>
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<tr>
<td>Design &amp; Technology (AS-Level)</td>
<td>ETI 148C2 and ETI 1906</td>
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<tr>
<td>Economics (A-Level)</td>
<td>ECO 1000</td>
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<tr>
<td>Economics (AS-Level)</td>
<td>ECO 2013 and ECO 2023</td>
<td>SOC Found 1</td>
</tr>
<tr>
<td>English (A-Level)</td>
<td>ENC 1101</td>
<td>COM Found 1 or COM Found 2</td>
</tr>
<tr>
<td>Environmental Management (AS-Level)</td>
<td>EVR 1001C</td>
<td>SCI Found 2</td>
</tr>
<tr>
<td>French Language (AS-Level)</td>
<td>FRE 1121</td>
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<tr>
<td>French Language (A-Level)</td>
<td>FRE 1121 and FRE 2200</td>
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<tr>
<td>Further Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 2312</td>
<td>MAT Found 1</td>
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<tr>
<td>General Paper</td>
<td>IDS 1110</td>
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<tr>
<td>Geography (A-Level)</td>
<td>GEA 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Geography (AS-Level)</td>
<td>GEO 1200 and GEO 1400</td>
<td>SCI Found 2</td>
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<tr>
<td>German Language (A-Level)</td>
<td>GER 1121</td>
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<tr>
<td>German Language (AS-Level)</td>
<td>GER 1121 and GER 2200</td>
<td>SCI Found 2</td>
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<tr>
<td>History (A-Level)</td>
<td>HIS 1906 (3 credits)</td>
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</tr>
<tr>
<td>History (AS-Level)</td>
<td>HIS 1906 (6 credits)</td>
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</tr>
<tr>
<td>Latin (A-Level)</td>
<td>LAT 1121C</td>
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<tr>
<td>Marine Science (A-Level)</td>
<td>OCE 1001</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Marine Science (AS-Level)</td>
<td>OCE 1001 and OCB 1000</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Mathematics (AS-Level)</td>
<td>MAC 1147</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Mathematics (A-Level)</td>
<td>MAC 2311 and MAC 1906</td>
<td>MAT Found 1</td>
</tr>
<tr>
<td>Music (A-Level)</td>
<td>MUH 1001</td>
<td></td>
</tr>
<tr>
<td>Music (AS-Level)</td>
<td>MUH 1001 and MUH 2011</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics (A-Level)</td>
<td>PHY 1020C</td>
<td>SCI Found 1</td>
</tr>
<tr>
<td>Physics (AS-Level)</td>
<td>PHY 2053C and 2054C</td>
<td>SCI Found 1</td>
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<tr>
<td>Psychology (A-Level)</td>
<td>PSY 2012</td>
<td>SOC Found 2</td>
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<tr>
<td>Psychology (AS-Level)</td>
<td>PSY 2012 and PSY 1906</td>
<td>SOC Found 2</td>
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<tr>
<td>Sociology (A-Level)</td>
<td>SYG 2000</td>
<td>SCI Found 2</td>
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<tr>
<td>Spanish Language (A-Level)</td>
<td>SPN 1121</td>
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</tr>
<tr>
<td>Spanish Language (AS-Level)</td>
<td>SPN 2230 and SPN 2231</td>
<td></td>
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<tr>
<td>Spanish Literature (AS-Level)</td>
<td>SPN 3100</td>
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</tr>
<tr>
<td>Thinking Skills (A-Level)</td>
<td>PHI 1103</td>
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<tr>
<td>Thinking Skills (AS-Level)</td>
<td>PHI 1103 and PHI 1106</td>
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<tr>
<td>Travel and Tourism (A-Level)</td>
<td>HFT 1000</td>
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</tr>
<tr>
<td>Travel and Tourism (AS-Level)</td>
<td>HFT 1000 and HFT 1906</td>
<td></td>
</tr>
</tbody>
</table>

*If the student has previous credit for ENC 1101, credit will be rewarded for ENC 1102.

**If the student has previous credit for ENC 1101 and ENC 1102, credit will be awarded for LIT 2100.**
ALEXIS 

Academic Regulations and Procedures

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

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

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

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

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

DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>Exam</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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<td>48</td>
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<tr>
<td>Business Law II</td>
<td>BUL 2242</td>
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<td>44</td>
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<tr>
<td>Business Math</td>
<td>QMB 1001</td>
<td></td>
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</tr>
<tr>
<td>Criminal Justice</td>
<td>CCJ 1000</td>
<td></td>
<td>49</td>
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<tr>
<td>Environment and Humanity</td>
<td>EVR 1017</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>Ethics in America</td>
<td>PH1630</td>
<td></td>
<td>46</td>
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<tr>
<td>Fundamentals of College Algebra</td>
<td>MAT 1033</td>
<td>MAT Found 2</td>
<td>47</td>
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<tr>
<td>Foundations of Education</td>
<td>EDF 1002</td>
<td></td>
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<tr>
<td>Fundamentals of Counseling</td>
<td>PCO 1202</td>
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<tr>
<td>General Anthropology</td>
<td>ANT 2000</td>
<td>SOC Found 2</td>
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<tr>
<td>Here’s to Your Health</td>
<td>HSC 1100</td>
<td></td>
<td>48</td>
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<tr>
<td>History of the Vietnam War</td>
<td>AMH 2059</td>
<td></td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
<td></td>
<td>46</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>GEO 1400</td>
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<td>48</td>
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<tr>
<td>Intro to Computing</td>
<td>CGS 1060</td>
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<tr>
<td>Intro to the Modern Middle East</td>
<td>ASH 2044</td>
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<tr>
<td>Intro to World Religions</td>
<td>REL 2300</td>
<td>CUL and HIST Found 2</td>
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<tr>
<td>Introduction to Business</td>
<td>GEB 2111</td>
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<tr>
<td>Introduction to Law Enforcement</td>
<td>CCJ 1100</td>
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<td>Lifespan Developmental Psychol</td>
<td>DEP 2004</td>
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<tr>
<td>Management Information Systems</td>
<td>ISM 1000</td>
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<tr>
<td>Money and Banking</td>
<td>BAN 1501</td>
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<td>Organizational Behavior</td>
<td>INP 1002</td>
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<td>Personal Finance</td>
<td>FIN 1100</td>
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<tr>
<td>Physical Geology</td>
<td>GLY 1000</td>
<td>SCI Found 2</td>
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<tr>
<td>Principles of Finance</td>
<td>FIN 1000</td>
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<tr>
<td>Principles of Financial Accounting</td>
<td>ACG 1001</td>
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<tr>
<td>Principles of Physical Science I</td>
<td>PSC 1121</td>
<td>SCI Found 1</td>
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<tr>
<td>Principles of Public Speaking</td>
<td>SPC 1600</td>
<td>COM Found 3</td>
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<tr>
<td>Principles of Statistics</td>
<td>STA 2014</td>
<td>MAT Found 2</td>
<td>48</td>
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<tr>
<td>Principles of Supervision</td>
<td>MNA 1345</td>
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<tr>
<td>Rise and Fall of the Soviet Union</td>
<td>EUH 1066</td>
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<td>Technical Writing</td>
<td>ENC 2210</td>
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<tr>
<td>The Civil War and Reconstruction</td>
<td>AMH 1056</td>
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EXCELSIOR COLLEGE EXAMINATIONS TABLE

<table>
<thead>
<tr>
<th>Exam Title</th>
<th>Course Number</th>
<th>GEP Usage</th>
<th>Passing Grade Credit</th>
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<tr>
<td>Abnormal Psychology</td>
<td>CLP 1140</td>
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<tr>
<td>English Composition</td>
<td>ENC 1101</td>
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<tr>
<td>Ethics: Theory and Practice</td>
<td>PHI 1630</td>
<td></td>
<td>46</td>
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<tr>
<td>Foundations of Gerontology</td>
<td>GEY 1000</td>
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<tr>
<td>Human Resources Management</td>
<td>MAN 1300</td>
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<tr>
<td>Life Span Developmental Psychol</td>
<td>DEP 2004</td>
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<tr>
<td>Microbiology</td>
<td>MCB 1000</td>
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<tr>
<td>Psychology of Adulthood and Aging</td>
<td>DEP 1401</td>
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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 minimum of 120 total hours, residency will be 30 hours. For programs that exceed 120 hours, the specific residency requirement increases proportionally and is listed with the requirements for the specific degree program;
- Earn a minimum of 60 credit hours after CLEP credit has been awarded;
- Apply no more than 45 credit hours in any combination of extension, correspondence, CLEP, University Credit by Examination and Armed Forces credits toward an undergraduate degree;
- Fulfill the General Education Program requirements;
- Fulfill the Gordon Rule requirements;
- Fulfill the Foreign Language requirements as defined elsewhere in this section;
- Fulfill the CLAS requirement;
- Earn a minimum of nine credit hours during Summer terms, if applicable; and,
- Be registered at UCF during the semester of graduation.

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

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

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

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

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

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

General Education Program Learning Objectives

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

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

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

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

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

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

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

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

#### A. Communication Foundation 9 hours

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

#### B. Cultural and Historical Foundation 9 hours

1. EUR 2000 Western Civilization I 2 3(3,0)
2. EUR 2001 Western Civilization II 2 3(3,0)
3. HUM 2210 Humanistic Tradition I 2 3(3,0)
4. HUM 2230 Humanistic Tradition II 2 3(3,0)
5. AMH 2010 U.S. History: 1492-1877 2 3(3,0)
6. AMH 2020 U.S. History: 1877-present 2 3(3,0)
7. WOH 2012 World Civilization I 2 3(3,0)
8. WOH 2022 World Civilization II 2 3(3,0)
9. ARH 2050 History of Western Art I 3(3,0)
10. ARH 2051 History of Western Art II 3(3,0)
11. MUL 2010 Enjoyment of Music 3(3,0)
12. THE 2000 Theatre Survey 3(3,0)
13. FIL 1000 Cinema Survey 3(3,0)
14. REL 2300 World Religions 3(3,0)
15. Phi 2010 Introduction to Philosophy 3(3,0)
16. LIT 2110 World Literature I PR: ENC 1102 3(3,0)
17. LIT 2120 World Literature II PR: ENC 1102 3(3,0)

#### C. Mathematical Foundation 6 hours

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

#### D. Social Foundation 6 hours

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

#### E. Science Foundation 6 hours

1. AST 2002 Astronomy 3(3,0)
2. PHY 1053C College Physics I: MAC 1105 and MAC 1114 4(3,3)
3. CHM 1020 Concepts in Chemistry PR: High School Algebra 3(3,0)
4. BSC 1005 Principles of Biology 3(3,0)
5. GED 1030 Physical Geography 3(3,0)
6. ANT 2511 The Human Species 3(3,0)
7. MCB 1310 Intro to Biotechnology and Genetic Engineering 3(3,0)

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

### Alternate Courses:

#### General Education Program

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

<table>
<thead>
<tr>
<th>GEP Requirement</th>
<th>Acceptable Substitutions</th>
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<tbody>
<tr>
<td>MAC 1105 (College Algebra)</td>
<td>MAC 1114, MAC 1140, MAC 2233, MAC 2253, MAC 2311, MAC 2312, MAC 2313</td>
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<tr>
<td>MGF 1106 (Finite Mathematics)</td>
<td>MGF 1107</td>
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<tr>
<td>PHY 2053C (Physics)</td>
<td>PHY 2048, PHY 2049, PHY 2054C, PHY 2014C, PHY 5015</td>
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<tr>
<td>CHM 1020 (Chemistry)</td>
<td>CHM 2045C, CHM 1032, CHS 1440, CHM 2040C &amp; CHM 2041C</td>
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<tr>
<td>CGS 1060C (Intro to Computer)</td>
<td>CGS 2100C, COP 2500C, COP 3502C, COP 3100C</td>
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<tr>
<td>STA 2014C (Statistics)</td>
<td>STA 2023, STA 3032</td>
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<tr>
<td>THE 2000 (Theatre)</td>
<td>THE 2020</td>
</tr>
<tr>
<td>FIL 1000 (Cinema Survey)</td>
<td>FIL 2030, FIL 3036, FIL 3037</td>
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<tr>
<td>MUL 2010 (Enjoyment of Music)</td>
<td>MUH 2017, MUH 2019, MUH 3212, MUL 2016, MUL 2720</td>
</tr>
</tbody>
</table>

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

### Diversity Requirement

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

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

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

### Education Courses:

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

### Other Courses:

- AMH 3422 Frontier Florida
- AMH 3425 Sunbelt Florida
- AMH 3562 Women in American History II
### Undergraduate Degree Requirements

1. Six hours of mathematics at the level of college algebra or higher (1) College algebra or finite math
2. Six hours of English coursework (1) Six hours of English Composition and six hours of additional (2) Specifically identified courses and college level writing
3. Six hours of additional (2) Specifically identified courses and college level writing
4. The foreign language proficiency requirement does not apply to students seeking a second baccalaureate degree.
5. A student who is required and furnishes a passing TOEFL (Test of English as a Foreign Language) score for admission to the University is considered to have satisfied the requirements.

**American Sign Language**

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

**SUS Foreign Language Admission Requirement**

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

### The Gordon Rule

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

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

**Gordon Rule Requirement:**

**GEP Courses Which Satisfy:**

1. Six hours of mathematics at the level of college algebra or higher (1) College algebra or finite math
2. Six hours of English coursework (1) Six hours of English Composition and six hours of additional (2) Specifically identified courses and college level writing
3. Six hours of additional (2) Specifically identified courses and college level writing
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.

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

ENC 1011 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
EUN 2000 Western Civilization I
EUN 2001 Western Civilization II
HUM 2210 Humanistic Tradition I
HUM 2230 Humanistic Tradition II
WHO 2012 World Civilization I
WHO 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 3420 History of the South to 1865
AMH 3421 History of the Frontier: Eastern America
AMH 3442 History of the Frontier: Western America
AMH 3541 U. S. Military History To 1900
AMH 3561 Women in American History I
AMH 3571 Black American History I
AMH 3800 Canadian History
AMH 4110 Colonial America, 1607-1763
AMH 4130 The Age of the American Revolution, 1763-1789
AMH 4160 Jacksonian America
AMH 4201 The Gilded Age and Progressivism
AMH 4270 United States History: 1939-1960
AML 3031 American Literature I
AML 3041 American Literature II
AML 3283 Contemporary American Women's Fiction
AML 3286 Early American Women's Words
AML 3514 Topics in African-American Literature
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<tr>
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<th>Course Title</th>
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<td>AML 3615</td>
<td>Harlem, Haiti, and Havana</td>
</tr>
<tr>
<td>AML 3643</td>
<td>Contemporary American Prose and Poetry</td>
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<tr>
<td>AML 3682</td>
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<td>AML 3682H</td>
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<td>AML 401</td>
<td>American Novel</td>
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<td>AML 4153</td>
<td>American Poetry at Mid-Century</td>
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<td>AML 4155</td>
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<td>AML 4261</td>
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<td>ANT 3163</td>
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**College Level Academic Skills (CLAS) Requirement**

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

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

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

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

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

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

**Coursework**

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

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

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

Transfer Students with 60 or more credit hours who have not met the CLAS requirement 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 registration information, contact Student Disability Services at 407-823-2371. To obtain information about the CLAS requirement Waiver, please visit the Student Development and Enrollment Services CLAS Waiver website at http://www.claswaiver.sdes.ucf.edu. UTC is not responsible for the CLAS requirement Waiver process.

**Summer Attendance Requirement**
A student entering the State University System with fewer than 60 credit hours of credit is required to enroll in a minimum of nine hours of credit in the summer at a State of Florida university. 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).

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**Undergraduate Catalog 2011-2012**

**Admission to the Upper Division**

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

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

**Graduation Application Deadline**

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

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

**Correspondence Courses**

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

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

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

**Double Majors**

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

**Two Degrees**

- A student may earn two degrees, a BA and a BS, by completing the requirements for both majors and earning a minimum of 150 credit hours.
- A student may earn two degrees, either both BA or both BS, if the degrees are earned in separate colleges and a minimum of 150 (or more) credit hours are earned.
- A student may earn two degrees, either both BA or both BS, within the same college if allowed by the particular college and a minimum of 150 (or more) credit hours are earned.
- Students earning two degrees may use different Catalog years for each degree. If different Catalog years are used, the general university requirements in the latest of the two catalogs will be applied to both degrees.
More Than Two Majors, or More Than Two Degrees, or a Combination

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

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

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

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

The Associate of Arts degree is awarded only upon application. The application form may be obtained in Academic Services, MH 210

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

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

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

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

Bachelor of Music (B.M.)

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

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

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

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

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

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

College of Engineering and Computer Science
Bachelor of Science (B.S.)
Majors:
- Aerospace Engineering (B.S.A.E.), Civil Engineering (B.S.C.E.), Computer Engineering (B.S.P.E.), Computer Science (B.S.), Construction Engineering (B.S.Con.E.), Electrical Engineering (B.S.E.E.), Environmental Engineering (B.S.Env.E.), Industrial Engineering (B.S.I.E.), Information Technology (B.S.), Mechanical Engineering (B.S.M.E.)

College of Health and Public Affairs
Bachelor of Arts (B.A.)
Majors:
- Communication Sciences and Disorders, Criminal Justice, Legal Studies, Public Administration

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

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

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

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

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

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

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

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

Bachelor of Arts (B.A.)
Major: Interdisciplinary Studies

Bachelor of Science (B.S.)
Major: Interdisciplinary Studies
### Academic Minors by College

<table>
<thead>
<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
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<tbody>
<tr>
<td>College of Medicine Burnett School of Biomedical Sciences</td>
<td>Biomedical Sciences</td>
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### College Awarding Minor by Name of Minor

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<tr>
<th>College Awarding Minor</th>
<th>Name of Minor</th>
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</thead>
<tbody>
<tr>
<td>Rosen College of Hospitality Management</td>
<td>Hospitality Management</td>
</tr>
<tr>
<td>Office of Undergraduate Studies</td>
<td>Environmental Studies, Leadership Studies, World Comparative Studies</td>
</tr>
</tbody>
</table>

Minors are authorized only for certification with baccalaureate degrees. Minors must be certified at the same time as the student’s baccalaureate degree. Unless a second baccalaureate degree is earned, certification will not be made at a later time even if additional courses have been completed.

A student may declare a minor up to but no later than the submission of the “Intent to Graduate Form.” However, students are strongly urged to declare a minor as early as possible. Contact the student support office of the college offering the minor.

### Graduate Programs

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 Accounting: Lesanne Brunswick
Director of Advising: Rex Roberts
Director of Information Systems: Michael Callahan
Director of Prestigious Awards: Nicole Gelfert
Director of Research and Civic Engagement: Kelly Astro
Director of Student Affairs: Jill Norburn
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, Meditation Garden, 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 state or community college that has signed an Honors Articulation Agreement with TBHC will be admitted into University Honors with junior standing. Further information is available from the Honors Office of Student Services.

Students must maintain a minimum 3.2 UCF GPA and a minimum 3.0 GPA in Honors courses to remain in University Honors. In addition to meeting the GPA requirements, to graduate with University Honors the student must: 1) complete 4 Honors lower-division 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

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

The current upper-division requirements are as follows:

- **University Honors Upper-Division Program Requirements:**
  - College of Arts and Humanities, College of Education, College of Sciences, Rosen College of Hospitality Management, College of Nursing, College of Health and Public Affairs, Medical Laboratory Sciences, Information 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)
  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 and Information Technology majors)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Engineering courses

- **University Honors Upper-Division Program Requirements:**
  - College of Engineering and Computer Science (Excluding Computer Science and Information Technology majors)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Engineering courses

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

- **University Honors Upper-Division Program Requirements:**
  - Computer Science majors
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two Honors upper-division Computer Science courses

- **University Honors Upper-Division Program Requirements:**
  - College of Medicine (excluding Medical Laboratory Sciences majors)
  1. Complete one Honors Interdisciplinary Seminar
  2. Complete two of the following Honors upper-division courses

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

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

**Acceptable Waivers**

Please see The Burnett Honors College website at [http://www.honors.ucf.edu](http://www.honors.ucf.edu) for a listing of acceptable waivers. Students should obtain waivers from the Office of Honors Advising (BHC 109) prior to their participation in the listed programs. Students may only receive one waiver of credit per undergraduate career.

**Notes**

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

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

**Honors in the Major**

Application for admission to the Honors in the Major program will be made to TBHC following consultation by the student with the Department Chair or Honors in the Major Coordinator in the student’s major department. This program is designed to encourage original and independent work by the student. Two copies of the thesis, project, or creative work will be published through the University library. An Honors in the Major Handbook outlining the procedures for completing this program is available online at [http://www.research.honors.ucf.edu/him/](http://www.research.honors.ucf.edu/him/).

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

Honors in the Major is awarded upon completion of an advanced Honors Thesis, and the completion of at least three but no 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. Department or colleges may set additional requirements for Honors in the Major to be completed.
The Honors Thesis is to be completed under the direction of a committee of three faculty members, one of whom is the project or thesis Chair. It is the student’s responsibility to obtain an Honors in the Major Committee Chair who will undertake the responsibility of directing the Honors Directed Readings and Thesis and, in consultation with the student, form the Honors in the Major faculty committee. The Thesis Committee Chair and at least two committee members must be tenured or tenure-earning faculty. The student is responsible for filing an application with TBHC to begin Honors in the Major, which must be signed by the Thesis Committee Chair, the Honors Coordinator of the major department, and the Director of Research and Civic Engagement of TBHC. The student must receive a grade of at least “B” in all Honors in the Major course work to be awarded Honors in the Major.

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

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

If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 107 or by phone at 407-823-6402.

Office of Prestigious Awards
The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Jack Kent Cooke, Truman, and Goldwater scholarships. While OPA is housed within The Burnett Honors College, it serves the entire UCF community. OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OPA by phone at 407-823-4019, visit BHC 103 or http://www.opa.honors.ucf.edu.

If you have any questions about SMART or the grants program, please contact the Office of Research and Civic Engagement in BHC 107 or by phone at 407-823-6402.

Office of Prestigious Awards
The Office of Prestigious Awards (OPA) provides all UCF students with information and advising for major national and international fellowships and scholarships. OPA serves as the UCF campus representative for all awards requiring university endorsement or nomination, including the Rhodes, Marshall, Jack Kent Cooke, Truman, and Goldwater scholarships. While OPA is housed within The Burnett Honors College, it serves the entire UCF community. OPA works closely with students throughout all stages of their application process. Because of the competitive nature of these awards preparation is both intensive and extensive, and can begin as early as a student’s freshman year. Students who are applying for a prestigious scholarship or fellowship are encouraged to contact the OPA for assistance with their applications, even if the award does not require institutional endorsement. Students seeking more information should contact OPA by phone at 407-823-4019, visit BHC 103 or http://www.opa.honors.ucf.edu.
College of Arts and Humanities

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

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

Associate Dean: Lynn Hepner
CAH 190; 407-823-2251

Assistant Dean: Paul Lartonoix
CAH 190; 407-823-2251

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

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

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

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

A student whose written or oral communication in any course is deemed unsatisfactory may be referred to the Dean by the instructor. Additional coursework or an individual study program, consistent with the needs of the student, may be assigned and must be completed before the degree is granted.
Preprofessional Programs
Prelaw Program
Prelaw Advisor: Jennifer Mundale
CNH 411L; 407-823-5076

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

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

Advisement
CAH Student Advising (CAHSA)
Director: Delia Garcia
CNH 201; 407-823-3312
E-mail: cahsa@mail.ucf.edu
http://www.cah.ucf.edu/students/advising.php

CAH Student Advising (CAHSA) is the primary office for undergraduate academic assistance in the College of Arts and Humanities. CAHSA assists students in the College with orientation, registration, graduation certification and with the interpretation of College/University policies and procedures. Questions concerning University and College academic policies affecting College of Arts and Humanities majors should be directed to the CAHSA staff in CNH 201 or by calling 407-823-3312. Questions concerning the requirements within a major should be directed to the Department offering the degree. The student should consult the department early in his/her academic career and meet with his/her advisor for course planning every semester.

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

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

African American Studies - Contact: TBA; 407-823-0026
American Studies - Contact: Lyman Brodie; 407-823-2251
Asian Studies - Contact: Paul Giordano; 407-823-2472
Judaic Studies - Contact: Moshe Pell; 407-823-5039
Latin American, Caribbean and Latino/a Studies - Contact: José Maunez-Cuadra; 407-823-1173
Middle Eastern Studies - Contact: Hakan Ozoglu; 407-823-2225

International Study Centers
Undergraduate Inter-institutionalTransient 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

<table>
<thead>
<tr>
<th>Title</th>
<th>Degree</th>
</tr>
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<tbody>
<tr>
<td>African-American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>American Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Architecture</td>
<td>BA</td>
</tr>
<tr>
<td>Asian Studies</td>
<td>Minor</td>
</tr>
<tr>
<td>Cinema Studies (Film)</td>
<td>BA, Minor</td>
</tr>
<tr>
<td>Community Arts - PAVE</td>
<td>Minor</td>
</tr>
<tr>
<td>Dance</td>
<td>Minor</td>
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<tr>
<td>Digital Media</td>
<td>BA, MA, Certificate, Minor</td>
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<tr>
<td>English</td>
<td>BA, MA, Minor, MFA, Ph.D., Certificate</td>
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<td>Film</td>
<td>BFA, MFA</td>
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<tr>
<td>Modern Language Combination</td>
<td>BA</td>
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<td>French</td>
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<tr>
<td>German</td>
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<tr>
<td>History</td>
<td>BA, MA, Accelerated MA, Minor</td>
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<tr>
<td>Humanities</td>
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<td>Italian</td>
<td>Minor</td>
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<td>Jazz Studies</td>
<td>Certificate</td>
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<td>Judaic Studies</td>
<td>Certificate, Minor</td>
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<td>Latin American Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Middle Eastern Studies</td>
<td>Minor</td>
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<tr>
<td>Music</td>
<td>BA, BM, MA, Minor</td>
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<td>Music Education</td>
<td>BME</td>
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<td>Performing Arts Administration</td>
<td>Minor</td>
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<td>Philosophy</td>
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<td>Religious Studies</td>
<td>BA, Minor</td>
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<tr>
<td>Spanish</td>
<td>BA, MA, Minor</td>
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<tr>
<td>Teaching English as a Foreign Language (TEFL)</td>
<td>Certificate</td>
</tr>
<tr>
<td>Theatre</td>
<td>BA, BFA, MA, MFA, Minors in Dance, Theatre</td>
</tr>
<tr>
<td>Translation and Interpretation</td>
<td>Certificate</td>
</tr>
<tr>
<td>Women's Studies</td>
<td>Minor, Certificate</td>
</tr>
<tr>
<td>Writing and Rhetoric</td>
<td>Minor, Certificate</td>
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Departments and Programs
African-American Studies: Program
Program Director: JoAnne Stephenson
CNH 411; 407-823-0026
http://www.aas.cah.ucf.edu

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

Degrees: None
Tracks: None
Minors: African-American Studies
American Studies: Program
Contact: Lyman Brodie
CAH 190; 407-823-2292
The College of Arts and Humanities offers a minor in American Studies. This program requires students to select relevant electives from literature, humanities, social sciences and history.
Degrees: None
Tracks: None
Minors: American Studies

Asian Studies: Program
Contact: Paul Giordano
CNH 523; 407-823-2472
An interdisciplinary minor designed to enhance multicultural education by offering students both an overview of Asian civilization and a detailed study of its most significant features. The focus of the program is on India, China, and Japan. Course work will include upper-level classes from the curricula of participating programs (anthropology, art history, economics, English, Foreign languages, history, humanities, philosophy, political science).
Degrees: None
Tracks: None
Minors: Asian Studies

Community Arts—PAVE: Program
Program Director: Janki Maraj
VAB 117; 407-823-3145
A minor in Community Arts—Partners in Art in Visual Education (PAVE) is offered for the student who is majoring in Art, Music, Theatre, or English.
Degrees: None
Tracks: None
Minors: Community Arts

Department of English
Chair: Patrick Murphy
CNH 405; 407-823-1159
E-mail: english@ucf.edu
http://www.english.cah.ucf.edu
Faculty: Angley, Apflen, Barkevicius, Campbell, Casmier-Paz, Cato, Dombrowski, Flammia, Grajeda, Hasanat, Hepner, Hohenleitner, Hubbard, A. Jones, D. Jones, Kamrath, Kesler, Lillios, Logan, Mauer, Meeshan, Moody, Morton, Murphy, Neal, Oliver, Pugh, Rodriguez, Milanes, Roney, Rushin, Saper, Schell, Seidel, Spraker, Stap, Telep, Thaxton, Trouard, Young; Professors Emeriti: Adicks, Barnes, O’Mars, Schiffrhorst
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 Document Writing Lab and also publishes The Florida Review, The Cypress Dome, and The Faulkner Journal. An Honors in English program provides an enriched course of study for exceptional students, leading to graduation with honors. Program description follows concentration degree plans.
Degrees: English (BA, MA), Creative Writing (MFA), Texts & Technology (Ph.D)
Tracks: Literature, Creative Writing, Technical Communication
Minors: Creative Writing, Literature, Linguistics, Medieval/Renaissance, Technical Communication

Department of Film
Interim Chair: Steve Schlow
COM 121; 407-823-0694
E-mail: film@ucf.edu
http://www.film.cah.ucf.edu
Faculty: Cook, Finch, Gerstein, Harris, Ingle, Jones, Major, Mills, Rohdie, Sandler, Schlow, Stoeckl, Wolfe
Offering a four-year undergraduate curriculum, the Film Department focuses on developing a student’s creative voice, appreciation and understanding of the medium. There are two programs: The BFA in production is a limited access program that stresses entrepreneurial filmmaking and the use of new technology in the production and distribution of student work. Encompassing all aspects of filmmaking from conceptualization to distribution, this program prepares students to become effective independent filmmakers. Graduating seniors are required to complete a capstone film, script, or digital media project. Concentrations include: filmmaking, screenwriting, digital cinema. The Cinema Studies BA is a rigorous course of study in film theory, criticism and history that prepares the student for work in the industry or for Graduate Study. Community partners include: Universal Studios Florida, Panavision, Kodak, Disney-MGM Studios, and the Florida Film Festival.

Department of History
Chair: Rosalind Beiler
CNH 505A; 407-823-5450
E-mail: history@ucf.edu
http://www.history.cah.ucf.edu
Faculty: Adams, Beiler, Cassanello, Clark, Crepeau, Dandrow, Darty, Darles, Fernandez, Foster, Gannon, Gordon, Head, Hethly, Kallina, Larson, Lester, Long, Lyons, Martinez-Fernandez, O’Toole, Ozoglu, Pineda, Sacher, Solonari, W., Sier, Waller, White, Zhang; Faculty Emeriti: Colbourn, Nuckie-Reed, Pauley, Shofner
History is the study of the past. Its objective is to understand the past, and through the past, to understand the present. The discipline of history is more than 2,500 years old and remains a vital body of knowledge in the 21st century.
Students who are interested in becoming a lawyer should seriously consider a major in history as a foundation for law school. Law is a historical phenomenon and part of the political, social, and economic processes that have contributed to the success of the United States. An understanding of history lends great insight to the function of, and motives behind, the legal system. In addition, a careful study of history will enable the student to become effective in oral and written communication, while developing intellectual skills in critical thought and analysis, both of which are invaluable to the study of law.
The Department participates in the programs in Women’s Studies, American Studies, African-American Studies, Asian Studies, and Latin American, Caribbean and Latino Studies.
Degrees: History
Tracks: (BA, MA, Accelerated MA)
Minors: History

Judaic Studies: Program
Program Director: Moshe Pelli
CNH 201; 407-823-5039 or 823-5129
E-mail: judaicst@ucf.edu
http://www.judaicstudies.cah.ucf.edu
Faculty: Hanson, Pelli
The Interdisciplinary Program in Judaic Studies offers both a Minor and a Certificate. The program offers instruction, conducts research, and disseminates knowledge in the civilization of the Jewish people from Biblical times to the present day in the major dimensions of its creativity: literature, language, religion, philosophy, law, and social, political and economic organization. Because the roots of western culture and civilization and major world religions lie in ancient Jewish thought and practice as manifested in the Hebrew Bible and subsequent writings, Judaic Studies form an essential component of the university’s curricula.
The program enables students to acquire a foundation of knowledge of Jewish history, the Hebrew language, Jewish philosophy, culture, religious beliefs, and political aspirations; and to understand the contribution of Judaism to western civilization. The courses highlight major aspects of Jewish civilization, focusing on its interaction with other cultures and on the bodies of human knowledge upon which it draws. The program is designed to serve students pursuing careers in general or
Jewish education, in communal works and Middle-Eastern affairs, in languages, humanities, or liberal arts, in the ministry or rabbinate, and in the community at large.

**Degrees:** None

**Tracks:** None

**Minors:** Judaic Studies, Certificate

### Latin American, Caribbean, and Latino Studies

**Program Director:** José Mauneez-Cuadra
CNH 201; 407-823-1173
E-mail: jmauneez@pegasus.cc.ucf.edu
http://www.lacd.s.cah.ucf.edu

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

**Degrees:** Latin American Studies (BA)

**Tracks:** None

**Minors:** Latin American Studies

### Middle Eastern Studies: Program

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

An interdisciplinary minor designed to offer students both an overview of Middle Eastern civilization and a detailed study of its most important features. The focus of the program is on the religious, political, historical and social forces shaping the region. Course work will include classes from the curricula of participating programs (modern languages, history, humanities, Judaic studies, philosophy and political science).

**Degrees:** None

**Tracks:** None

**Minors:** Middle Eastern Studies

### Department of Modern Languages and Literatures

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

**Faculty:** Barone, Bougeois-Serrano, Cordeiro-Rosa, Fabery, Farcam, Fernandez, Folse, Garcia, Giordano, Gonzalez, Jo, Korosy, Leticee, Lopez, Ludwig, Mazzuchelli, Mihai, Montalvo, Nalbone, Negy, Pomerleau, Prucha, Pumensky, Redmon, Spinia, Stebbins, Tartt, Thompson, Trinque, Velez-Soto, Villanueva-Gheffa, Vitanova; Professor Emeriti: Barsch, Del-Rio, Micarelli

The Department provides instruction in Arabic, Chinese, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish, with majors in French, Spanish, and a Combination Major (two languages). The language combinations may consist of French, German, or Spanish as a first language, and any of these three, plus Italian, as a second language.

These programs are designed to meet the needs of students who desire competency in a language and expanded understanding of a foreign culture and literature. Students desiring to major in a foreign language must meet all the requirements for graduation as set forth by the University, the College of Arts and Humanities, and by the Department of Modern Languages and Literatures.

**Degrees:** French (BA), Spanish (BA, MA), Modern Language Combination (BA), TESOL (MA)

**Tracks:** None

**Minors:** French, German, Italian, Spanish, TEFL (certificate)

### Department of Music

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

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

The Department of Music offers a Bachelor of Music degree with options in performance and composition; a Bachelor of Arts Degree in music; and a Bachelor of Music Education Degree with specializations in instrumental, choral and elementary school music. The Music Education programs are approved by the Florida State Department of Education. Students who desire to be certified to teach in elementary and secondary schools should major in Music Education. Courses leading to teacher certification are offered cooperatively with the College of Education. The Music Department is fully accredited by the National Association of Schools of Music. Music organizations on campus include Pi Kappa Lambda, Phi Mu Alpha, Sigma Alpha Iota, Tau Beta Sigma, Kappa Kappa Psi, Student Chapters of MENC and ACDA, and Music Student Advisory Council.

**Degrees:** Music (BA, MA), Music Education (BME), Music Performance (BM)

**Tracks:** Music Performance, Composition

**Minors:** Music, Performing Arts Administration

### Department of Philosophy

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

**Faculty:** Brennanman, Cash, Compson, Coverston, DiBernardo, Evans, Fiore, Gallagher, Hawkins, Janz, Jones, Kassim, Mundale, Park, Schip-per, Stanlck, Strawser, Vest; Professor Emeritus: Flick

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

**Degrees:** Philosophy (BA), Religious Studies (BA), Humanities (BA), Humanities - Philosophy, Religion and Popular Culture (BA)

**Tracks:** Regular and Honors

**Minors:** Cognitive Sciences; Humanities; Philosophy; Philosophy, Religion & Popular Culture; Religious Studies

### Department of Theatre

**Chair:** Christopher Niess
UTC 111; 407-823-2862
E-mail: theatre@ucf.edu
http://www.theatre.cah.ucf.edu

**Faculty:** Alrunz, Boyd, Brotherton, Brown, Chicurel, Harris, Helsinger, Huaxiang, Ingram, Lartonox, Lee, Listengarten, McDonald, Niess, Perry, Rusnock, Scott, Seay, Shafer, Siegfried, Smith, St. Claire, Tollefson, Weaver, Wood, Wootton; Professor Emeritus: Smith

The Department of Theatre seeks to develop theatre artists of the highest quality by providing a select number of students with the training, education, and experiences necessary for the successful pursuit of professional careers in theatre arts and the entertainment industries. In support of this mission and the liberal arts goals of the College of Arts and Humanities, the department seeks to provide its students with the knowledge and skills necessary to live full, rewarding and productive lives. Offering undergraduate Bachelor of Arts and the Bachelor of Fine Arts degrees, as well as graduate Masters of Arts
College of Arts and Humanities

and Master of Fine Arts degrees, the Department of Theatre undertakes to develop and graduate theatre artists who are sensitive, aware human beings. Through its public performance programs, the department endeavors to serve as a cultural resource for the University, the community and the central Florida region. Striving to provide its students with a competitive edge, the department employs a faculty and staff of artists/teachers who work intensely with students in the classroom and in production. To supplement this education and training, professional guest artists are brought to the campus to work in production and in the classroom. Before graduation, BFA students are required to complete a professional theatre internship and MFA students are required to complete a professional residency, thus providing them with a unique and invaluable introduction to the real world of professional theatre. Internships are optional for BA students. In all its endeavors, the Department of Theatre strives to create and maintain a professional environment necessary for the continued growth and development of its students, faculty, and staff.

Degrees: Theatre (BA, BFA, MA, MFA)
Tracks: Acting, Design and Technology, Stage Management, Musical Theatre, Theatre for Young Audiences, Theatre Studies
Minors: Dance, Theatre

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

Faculty: Barnickel, Bell, Bibeau, Bowdon, Brain, Brodkin, Bryan, Cavanagh, Curtis, Ethridge, Frongillo, Gomrad, Hepner, Holic, Ives, King, Kyle, Launier, Marinara, Martin, Mohrenne, Murray, Owens, Richardson, Ringfield, Rodriguez-Milanes, Saper, Schell, Schutz, Scott, Slack, Tripp, Uttich, Wallace, Wardle, Weaver, Young

The Department of Writing and Rhetoric oversees the First-Year Composition Program and offers certificate and degree programs for the focused study of writing and rhetoric, including professional and public writing, the teaching of writing, and the history and theory of rhetoric, composition, and literacy. Courses in our two undergraduate and two graduate programs emphasize, in particular, writing as civic engagement and writing with technologies. The department’s primary mission is to promote sustained writing opportunities across the university, the foundation for which we provide in first-year composition but which we also achieve through the efforts of the University Writing Center and “Knights Write” Writing across the Curriculum Program. The department celebrates student writing in Stylus, a journal for first-year writing, and the annual Knights Write Showcase.

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

School of Visual Arts and Design
Interim Director: Paul Lartonoix
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: Architecture (BD), 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: Preston, Santana, Tweed

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

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

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

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

Associate Dean: E. Taylor Ellis
BA2 101-W: 407-823-2187
Interim Associate Dean: TBA
BA 307

The College Mission Statement can be condensed into one sentence: The College of Business Administration advances the University’s mission and goals in providing intellectual leadership through teaching, research, and service. The vision is to create within the College an environment that nurtures learning and exploration, provides opportunities for faculty to disseminate information, provides educational opportunities for students, businesses and the general public, and provides a platform for many and various forms of partnerships.

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

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

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

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

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

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

- Completion of the University General Education Program or an AA degree from a Florida Public Community College, and a minimum overall GPA of 2.0.
- Common Program Prerequisites with a minimum of a 2.0 GPA and “C” or better in each class.
- Completion of all Gordon Rule requirements and CLAS.

Students who otherwise meet the University admission requirements, such as entering freshmen and transfer students, will be placed in a major pending category until they meet the requirements set forth above. Only grades of “C” (2.0) or higher will transfer into the program. Each student should attend orientation for academic advising and should meet with an academic advisor in the College to outline a program of study. Courses taken at community colleges do not substitute for upper division courses. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
BE 2020
UCF Business. . . the Best Undergraduate Business Education in Florida. In 1993 the UCF Business faculty established a goal to deliver the best undergraduate business education in Florida. The product of the alumni, faculty, business leaders, and students, the Business Education 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. Today the BE 2020 degree program is a continuing refinement of the curriculum based on the ever changing needs of business. Faculty, working with representatives from the business community, help you develop these competencies as you work through the following required courses in the Business Core:

GEB 3031 Cornerstone
GEB 3356 Introduction to International Business
BUL 3130 Legal and Ethical Environments of Business
ECO 3411 Quantitative Business Tools II
FIN 3403 Business Finance
MAN 3025 Management of Organizations
MAR 3202 Supply Chain Management
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 UCF minimum GPA of 2.0. In addition, all majors within the College of Business Administration also require a grade of “C” (2.0) or better in each course and prerequisite within the major.

Student Load
A student who is enrolled in 15 – 16 credit hours of course work is considered to be carrying a normal academic load. Students in the College of Business Administration desiring to take more than 17 credit hours in the Fall and Spring terms, and 14 credit hours in the Summer term must obtain permission from the College.

Community/Junior College Transfer Notes
1. Admission requirements can and do vary among the business and accounting programs at the ten universities comprising the State University System. To ensure that they have met all prerequisite course eligibility requirements, transfer students from Florida’s community and junior colleges should complete the following common program prerequisites as part of their Associate of Arts degree: ACG 2021 (or ACG 2001 and ACG 2101), ACG 2071, ECO 2013, ECO 2023, MAC 2233, STA 2023, (or QMB 2100) and CGS 2100. At UCF, students who have completed MAC 2233 and STA 2023 will be waived from ECO 3401 Business Quantitative Tools I. Students who have completed either MAC 2233 or STA 2023, but not both, must take ECO 3401. Completion of these courses will satisfy all prerequisite course requirements for all business and accounting degree programs and will ensure that a student will receive further consideration for admission.
2. Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF’s Business program. Only grades of “C” (2.0) or higher transfer into the program.
3. Florida Public Community College students are advised to complete the Associate of Arts Degree including:
   a. The general education requirements, including Gordon Rule and CLAS requirements;
   b. All of the common program prerequisite courses.
4. Courses taken at community colleges do not substitute for upper division courses.
5. Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
6. Professional courses should not be taken at a community/junior college in the areas of Accounting, Economics, Management Information Systems, Management, Marketing, Real Estate, or Finance. These professional areas are third and fourth year course areas in the College of Business Administration and cannot be satisfied with community/junior college courses.
7. A minimum of 12 credit hours must be completed at UCF within each individual major and a minimum of 30 hours of upper level courses within the UCF College of Business.

Advisement
Undergraduate Student Services
Director: Randall Brumfield
BA 210; 407-823-2184
The Office of Undergraduate Student Services (USS) is the primary office for undergraduate assistance in the College of Business. Degree requirements, registration, and any questions concerning University and College academic policies affecting Business majors should be directed to the Office of Undergraduate Student Services staff in BE2020 or by calling 407-823-2184. Visit USS’s home page at: http://www.bus.ucf.edu/uss/.

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

Department and Programs
Kenneth G. Dixon School of Accounting
Director: Sean Robb
BA 437; 407-823-2871
Assistant to Director: M. Hampton
BA 438; 407-823-5678
Faculty: Allen, Arnold, Benfors, Bobek, Desai, Durham, Dwyer, Goldwater, Hampton, Hornik, Judd, Kelliher, Klintworth, Lako, Robb, Roberts, Roush, Smith, Sutton, Trompeter, Veit, Welch

Mission Statement
The mission of the Kenneth G. Dixon School of Accounting is to develop and deliver strong undergraduate and graduate programs, support and produce nationally and internationally relevant accounting research, and engage meaningfully with the academic and practitioner accounting communities.

Distinctive Benefits
- Strong industry ties allowing for unique opportunities for placement and advancement.
- A competitive internship program that places graduate students in positions with major employers in the community.
- The opportunity to enroll in outstanding graduate programs in accounting and taxation.
- A very strong faculty known for their teaching excellence.
- Over a dozen scholarships available to advanced students.
- Active student organizations including the Student Accounting Society and Beta Alpha Psi.
- A faculty committed to the continuous improvement of the accounting and taxation programs.

Outstanding pass rates on the CPA exam.

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

Minors: Accounting

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

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

The Department of Economics participates in two undergraduate degree programs: a BSBA degree and a BA degree. The purpose of the BSBA Economics Program is to provide students with a professional business background that prepares them for careers in private business and government. The purpose of the economics BA Program is to provide a broad-based liberal arts background that can serve as a strong foundation for further graduate studies in law, social sciences, and other fields or as training for careers in politics, teaching, research, social service, and other areas. Both programs enable students to better understand the economic and non-economic issues that are confronted in their jobs and their private lives and to provide the analytical skills that will allow them to resolve them.

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

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

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

**Minors:** Economics, Economic Policy

**Department of Finance**
Chair: A. Byrd
BA 409; 407-823-3575

Faculty: Ajayi, Anderson, Borde, Botts, Byrd, Chen, Choi, Curtio, Frye, Gatchev, Gilkeson, Greg, Park, Ramanalal, Schnitzlein, Singer, Smith, Swoo, 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
- Banking, Investments, Real Estate Brokerage, Corporate Finance, Mortgage Brokerage, Real Estate Appraisal

**General Business**
Faculty Advisor: S. Goodman
BA 335; 407-823-2679

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

**Departments of Management**
Chair: Steven Goodman
BA 335; 407-823-2679

Faculty: Ambrose, Becker, Blencze, Boettcher, Cleavenger, Connell, Folger, C. Ford, R. Ford, Harris, Holland, Keon, McDonald, Migenes, Nichols, O’Neal, Putchinski La, Putchinski, 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 excellent 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.
- A “hands-on,” applied focus in our courses.

**Degrees:** Management (BSBA), Human Resources (MS)
- General Management
- Human Resource Management
- Entrepreneurship

**Tracks:**
- General Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.
- Human Resource Management which allows them to take a broader variety of course work and prepares them for general management responsibilities.

**Department of Marketing**
Chair: R. Michaels
BA 307; 407-823-2108
http://www.bus.ucf.edu/marketing/

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

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

The department’s newest offering is the Professional Selling Program, which is a track within the major. Admission to the program is competitive in the Spring of each year; application and interview are required. Additional information about the program can be found on the Department’s web site.
A great benefit for Marketing majors is the opportunity to earn a certificate in any of seven areas of career interest: Selling and Sales Management, Retailing Management, E-Marketing, Sport Marketing Management, Healthcare Marketing, Entertainment Marketing and Services Marketing. Students can design a personalized certificate program combining elective courses with an internship that will enhance their value to potential employers.

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

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

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

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

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

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

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

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

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

Admission to the College will be granted when students meet the following requirements:

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

Transfer Notes:
Courses transferred from other institutions must be evaluated for equivalency credit. The student must provide all supporting information. Students transferring from a Florida Public Community College are cautioned to pay careful attention to the General Education and Program Prerequisites sections of their intended major. Students are responsible for all ESOL assignments for UCF ESOL-infused courses that may be transferred from other institutions.

New students will:
1. Meet college advising representatives in a group setting during Orientation to:
   a. Discuss College of Education admission requirements needed for enrollment in upper division education classes
   b. Review degree program requirements
   c. Understand expectations and responsibilities associated with a career in education
2. Be advised by the College of Education Academic Advising Center (ED 115) if their major is Education Pending. An appointment is recommended 407-823-3732.
3. Be assigned to an academic advisor in the area of their major upon completion of College of Education admission requirements. The advisor’s name and telephone number appear on the Degree Audit and in myUCF to assist students in making an advising appointment.
4. Purchase and utilize LiveText software at the beginning of the first semester of enrollment in the College of Education based on program requirements.

Continuing students will:
1. Set up an appointment with their academic advisor upon acceptance to their major, or the Academic Advising Center, if a "Pending" major to review academic progress and to develop an academic plan. Review this plan each term with an advisor prior to registration;
2. View a Degree Audit through myUCF;
3. Register at scheduled appointment time in myUCF. Students must register themselves for the internship course and co-requisite (if applicable).
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 composed of Clinical Experiences, Minority Teacher Recruitment and Retention Program (MTRRP), Student Services, and the Academic Advising Center.

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

Clinical Experiences
Director: Bryan Zugelder
ED 110, 407-823-2518
http://www.education.ucf.edu/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 internship experiences. Placement of students is the responsibility of the College of Education’s Office of Clinical Experiences. Students must complete internship experiences in one of the College of Education’s local partnership districts.

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

All applications for internships are accessed at the Clinical Experiences website and are approved by the Office of Clinical Experiences.

Application deadlines for all Internships are:

- February 15 for Fall semester
- September 15 for Spring semester

Internship I
Internship I is a three semester hour experience. Students are assigned to work with certified supervising teachers. Students are enrolled in a limited number of related professional courses during the experience. Additional courses may be taken only with the consent of the academic program coordinator and department chair. The Internship I experience is completed locally and is arranged by the Office of Clinical Experiences.

Admission to Internship I
Admission to Internship I will be granted to students who have been admitted to the College of Education and who meet the following additional requirements at the time of application.

- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test before applying for Internship I.
- A minimum overall GPA of 2.5 or higher.
- Possess minimum specialization GPA of 2.5
- Possess minimum professional preparation GPA of 2.5
- Achieve a "C-" (1.75)* or better in all prerequisite methods/specialization courses. However, a minimum overall GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- 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. Internship II is a 12 semester hour experience (depending on the program) normally completed during the student’s last semester.

Admission to Internship II
Admission to Internship II will be granted when students have met the following requirements at the time of application.

- Successful completion of Internship I
- Have on file passing scores on all 4 parts of the Florida Teacher Certification Examination General Knowledge Test
- It is highly recommended that students take and pass the FTCE Subject Area Exam before applying for Internship II.
- Possess a minimum overall GPA of 2.5 (2.75 required for Early Childhood Education majors)
- Possess minimum professional preparation GPA of 2.5*
Possess minimum specialization GPA of 2.5*
Achieve a "C-" (1.75) or better in all professional methods/specialization courses. A minimum overall GPA of 2.5 is required in addition to a minimum 2.5 GPA in the professional preparation and specialization areas. (A minimum of 2.75 GPA is required for Early Childhood Education majors.)
Complete a formal application for Internship II by the published deadline
Be recommended by the faculty of the department of the student’s major
Meet any special departmental or program requirements
Some programs require that all methods and specialization courses shall be completed prior to Internship II. Students must also be approved for admission by the faculty in the department of the student’s major. The Internship II experience is completed locally and is arranged by the Office of Clinical Experiences.

*Some programs may specify a different GPA requirement for admission

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

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

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

Scholarship Requirements
Students must meet the following criteria:
- Eligible groups: African-American/Black, Asian-American/Pacific Islander, Hispanic, or American Indian/Alaskan Native
- Be a Florida resident
- Be admitted into the UCF-College of Education as a degree-seeking undergraduate student
- Minimum semester and overall grade point average of 2.5
- Must be enrolled full-time
- Submit Scholarship Application
- Interview with the Scholarship Application Review Committee

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

Alternative Certification for Non-Degree Students
All students who have earned a Baccalaureate degree from an accredited institution and who desire to be certified in Elementary Education must complete an undergraduate or master’s degree program in Elementary Education. For other certification areas for which the College has programs, students may elect to complete 1) an undergraduate degree 2) a graduate degree or 3) an alternative program as a post-baccalaureate student. Students must meet regular admission requirements for the College of Education and Teacher Education.
College of Education

Academic Advising Center
Director: Sandra L. Bulger
ED 115; 407-823-0043
Coordinator Academic Advising Services II: Jorri Bright
ED 115; 407-823-5369
The College of Education Academic Advising Center provides academic advising assistance for newly admitted elementary education students. All students are encouraged to meet with an academic advisor each semester for schedule planning and to discuss progress toward degree completion. Academic advising is provided by walk-in, appointment, and advising sessions. Information sessions provide students with additional knowledge concerning their degree programs and responsibilities. The dates, times and locations of information sessions will be posted on the College of Education website.

Department of Child, Family, and Community Sciences
Chair: Anne McDonald Culp
ED 209-E; 407-823-1272
Academic Administrator: Roanne G. Brice
ED 206-H; 407-823-0664
Faculty: Albers-Biddle, Batchelder, Berry, Biddle, Brasil, Burden, Cross, Culp, Dieker, Duke, Englehart, Ezell, Fisher, Hines, Hoffman, Jennings, Kian, Kuminka, Lanier, Levin, Little, Marrett, Martin, Platt, Reyes, Lue-Stewart, Szente, Valdes, Vasquez, Wiencek
Undergraduate academic major programs leading to bachelor’s degrees and/or certification are offered in Child, Family and Community Sciences. Students are responsible for completion of program requirements and are highly encouraged to review their programs with an assigned advisor.

Students who major in Early Childhood Development and Education can select a teaching track or a child development track. Those who select the teaching track are qualified to teach Pre-Kindergarten through grade 3 upon graduation and receipt of a Pre-Kindergarten through Primary Florida Teaching Certificate.

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

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

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

Several graduate level programs are available in the department:
Early Childhood Development and Education, M.S.
http://education.ucf.edu/prog_page.cfm?ProgDeptID=41&ProglID=117

Exceptional Student Education M.A. or M.Ed.
http://education.ucf.edu/exedx/

Sport and Exercise Science, M.S.
http://education.ucf.edu/sportsexscience/

See individual program Web sites and the graduate catalog for additional details. You can start by going to the Department’s website: http://education.ucf.edu/departments.cfm

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

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

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

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

School of Teaching, Learning and Leadership
Co-Director: Karen L. Biraimah
ED 209-B; 407-823-2426
Co-Director: Michael Hynes
ED 209-D; 407-823-2005
http://education.ucf.edu/academics_departments.cfm#School of Teaching, Learning and Leadership
Faculty Administrators and Coordinators:
Janet Zajac
ED 206-C, 407-823-0523
Maria Cox
ED 206-D; 407-823-1763
Melissa Feyer
ED 209-C; 407-823-0303
Lindsay Archambault
ED 206-F; 407-823-2881


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

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

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Education are located at: http://oes.ucf.edu/aic/aic_students_coe.htm
College of Engineering and Computer Science

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

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

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

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

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

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

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

Undergraduate Majors and Degrees

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

BSAE
BSCE
BSPE
BS
BConE
BSEE
BSVE
BSIE
BS
BSME

Accelerated BS/MS Degree Program

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

College Vision

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

College Mission Statement

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

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

College Organization

The College of Engineering and Computer Science is organized into two major divisions: the Engineering and Computer Science Division and the Reserve Officer Training Corps (ROTC) Division. The Engineering and Computer Science Division is comprised of four engineering departments: the Civil, Environmental, and Construction Engineering (CECE) Department, the Electrical Engineering and Computer Science (EECS) Department, the Industrial Engineering and Management Systems (IEMS) Department, and the Mechanical, Materials and Aerospace Engineering (MMAE) Department. The Department of Electrical Engineering and Computer Science offers degree programs in Computer Science, Information Technology, and Electrical and Computer Engineering. The ROTC Division is made up of the Aerospace Studies Department (Air Force ROTC) and the Military Science Department (Army ROTC).

All departments of the Engineering and Computer Science Division offer advanced studies leading to master’s degrees and the Doctor of Philosophy degree; see the Graduate catalog for further information on these graduate programs. The undergraduate engineering programs in Aerospace Engineering, Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700. The Computing 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 AROTAC program offers a minor in Military Science.
The Honors Program in the College of Engineering and Computer Science

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

The objective of the Honors Program is to provide exceptional students with an opportunity to express their creativity and problem-solving abilities through challenging coursework and participation in research projects. In addition, the program exposes students to a wide variety of issues dealing with the role of engineers and computer scientists and the impact of the profession on society. Honors students also participate in several programmed activities, such as lectures by distinguished scholars, engineers, and public figures, as well as visits to local and regional industries and to governmental and military research facilities.

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

The Honors in the Major Program

The College of Engineering and Computer Science Honors in the Major program is designed for two types of students: 1) Highly qualified students who did not participate in the University Honors Program and who, like Honors students, 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. These six credit hours consist of an Honors in the Major Seminar titled Research Methods in Engineering Sciences (EGN 4970H) (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.

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

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

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

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

Graduates will be able to complete a comprehensive 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.

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

The Environmental Engineering Program

The Environmental Engineering major is concerned primarily with the interactions with 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 Project Design and Capstone Course 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 Environmental Engineering graduate education and research.

Educational Objectives

Within the first several years following graduation, graduates should:

1. Be successfully employed or employable in environmental engineering practice in areas such as solid waste, air pollution, water and wastewater treatment, water resources, or related fields and/or be continuing their studies at the graduate level.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong learning, professional licensure, and service to the profession and society.

Program Outcomes

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

The Construction Engineering Program

The Construction Engineering major is concerned with preparing students for the engineering management of construction projects by developing skills for the selection of construction methods and processes, construction project planning and control, and resource management. Construction Engineering students are required to take a Project Design and Capstone Course which synthesize various pre-requisite course offerings into a design project. These projects are usually "open-ended" and duplicate real-world engineering problems. The students typically work in small design team groups. The pre-requisites needed for the various project courses vary.

Mission

The Construction Engineering Program Faculty strives to create a high quality learning experience for our students. The principal goals include:

1. Provide a broad engineering education to our graduates that will prepare them for both current and future professional challenges.
2. Promote a commitment to continued scholarship and service among our graduates.
3. Foster a spirit of innovation so that our graduates are positioned to take advantage of new technology in our profession.
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:

1. 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.
2. Show a commitment to ethical practice and professional development by extending their knowledge through continuing education and self-directed lifelong learning, professional licensure, and service to the profession and society.

Program Outcomes

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

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

Department Policy for Double Degree in Civil, Environmental, and Construction Engineering

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

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

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

Civil Engineering Major Pursuing Environmental Engineering Addition Degree

Students will need to complete a minimum of 150 credit hours which will include the 23 additional hours to earn a Bachelor of Science Environmental Engineering degree in addition to the Bachelor of Science Civil Engineering degree. The additional courses are: An Earth Science (GEP), A Biological Science (3hrs), CHM 2045C (4hrs), CHM 2045G (3hrs), CHM 2046L (1hr), ENV 4120 (3hrs), ENV 4341 (3hrs), EES 4202C (4hrs), EES 4111C (3hrs), Water Resources Engineering 2 (3hrs), Environmental Engineering Operations & Processes 2 (3hrs), and an Environmental Design course (3hrs).

Civil Engineering Major Pursuing Construction Engineering Addition Degree

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

Environmental Engineering Major Pursuing Civil Engineering Additional Degree

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

Department of Electrical Engineering and Computer Science

Computer Science Division

Interim Chair: Gary T. Leavens

HEC 437, 407-823-3957

Faculty: Bassiouni, Boloni, Chatterjee, da Vitoria Lobo, Deo, Dechey, Foroosh, Gomez, Gonzalez, Guha, Heinrich, Hu, Hughes, Jha, Lang, LaViole, Leavens, Marinescu, Orooji, Patnaik, Shah, Stanley, Sukthankar, Tappen, Turgut, Wocjan, A. Wu, Zhang, Zou

The Computer Science Program

The Computer Science program offers courses and programs leading to Bachelor of Science, Master of Science (see online Graduate Catalog), and Doctor of Philosophy (see online Graduate Catalog) degrees in Computer Science. In addition, the program offers minors in Computer Science and Information Technology.

The program strives to meet the requirements for professional careers and research in software development and computing systems technology by producing graduates with a broad base of formal course work. Students may use restricted elective credit to concentrate their degree in one of many research areas, including computational biology, computational complexity, computational geometry, computer architecture, computer graphics, computer networks, computer simulation, computer vision, databases systems, design and analysis of algorithms, distributed computing, digital media, evolutionary computing, graph theory, human-computer interaction, machine learning, mixed and virtual reality, multi-agent systems, natural language processing, and knowledge-based systems, 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, by applying best practices in software development processes, methods, and tools.
4. All graduating CS majors, by the time of their graduation, shall be able to function effectively on teams to accomplish a common goal.
5. All graduating CS majors, by the time of their graduation, shall be able to demonstrate an understanding of professional, ethical, legal, security, and social issues and responsibilities.
6. All graduating CS majors, by the time of their graduation, shall be able to communicate effectively with a range of audiences; in particular, graduating majors shall demonstrate effective oral and written communication skills while disseminating technical information about computing systems and its implications.
7. All graduating CS majors, by the time of their graduation, shall be able to analyze the local and global impact of computing on individuals, organizations and society.
8. All graduating CS majors, by the time of their graduation, shall be able to recognize the need for continuing professional development and shall demonstrate the knowledge of research tools and professional resources necessary to accomplish this end.
9. All graduating CS majors, by the time of their graduation, shall be able to use current techniques, skills, and tools necessary for computing practices.
10. All graduating CS majors, by the time of their graduation, shall be able to apply mathematical foundations and computer science theory, in particular principles of algorithmic design and complex-
4. Critically analyze and apply a range of information science and technology body of knowledge.

5. Develop computer-based applications using the information technology body of knowledge, 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 design and develop applications in the context 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 server design. The program provides students a strong conceptual core, which will prepare them to be lifelong learners, along with significant hands-on experience. The inclusion of advanced courses in technical writing, ethics in science and technology, human technology interaction, IT system integration, enterprise computing, and web-based IT will prepare these students to deal with the subject areas and communicate in the parlance of the industries in which they choose to work. The curriculum also includes up to 12 hours of free electives that allow students to pursue a minor degree or concentration area such as education, health, business, or criminal justice, to which information technology may be applied.

Mission

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

Educational Objectives

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

2. To prepare IT graduates for professional careers in roles including, but not limited to, the following: IT manager, IT systems analyst, network designer, network administrator, network security administrator, web applications developer, webmaster, database administrator, IT project 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 software 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. Develop technical content 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 Division

Interim Chair: Zhihua Qu
HEC 439C; 407-823-2787

Faculty: Batarseh, Behal, DeMara, Georgioupolous, Gong, Haralambous, Jones, Kasparsis, Lee, Lin, Liou, Lofftard, Malocha, Mikhail, Qu, Richie, Shen, Simaan, Sundaram, Wahid, Wang, Weeks, Wei, T. Wu, Yuan

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

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

The Computer Engineering Program

The Computer Engineering program contains a minimum of 63 credit hours of design experience, which includes courses listed as Embedded Systems and Computer Architecture (EEL 4767C and EEL 4768C), Computer Science I (COP 3502) and Digital Systems (EEE 3342C). Technical electives can give additional design experiences in specialty areas such as computer architecture, intelligent systems, networking, software engineering, and simulation systems.

Mission

The mission of the UCF Computer Engineering Program is to develop and disseminate the theory and methods for the design, analysis, implementation, and improvement of computer hardware, software, and systems.

Educational Objectives

The objectives of the CpE Program at UCF are that:

1. Graduates demonstrate the technical competence necessary for engineering work in the areas of computer hardware, software, and computer communications.

2. Graduates demonstrate communication skills, teamwork capabilities, and leadership abilities necessary for a successful professional career.

3. Graduates participate in life-long learning activities appropriate to their profession, including graduate study, professional training, and involvement in professional societies.

Program Outcomes

Graduates of the Computer Engineering program should attain:

1. An ability to apply knowledge of mathematics, science, and engineering.

2. An ability to design and conduct experiments, as well as to analyze data and interpret data.

3. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

4. An ability to function on multidisciplinary teams.

5. An ability to identify, formulate, and solve engineering problems,
College of Engineering and Computer Science

6. An understanding of professional and ethical responsibility,
7. An ability to communicate effectively,
8. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context,
9. A recognition of the need for, and an ability to engage in life-long learning,
10. A knowledge of contemporary issues,
11. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice,
12. A knowledge of probability and statistics, mathematics through differential and integral calculus, basic sciences, computer science, and engineering sciences necessary to analyze and design complex electrical and electronic devices, software, and systems containing hardware and software components, and

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 3567), 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 (EEL 3123C) and Digital Systems (EEE 3342C). Technical electives can give additional design experience leading to work in communications, controls, image and signal processing, microelectronics and solid state devices, microwaves and electromagnetics, optical engineering, and power/ power electronics.

Mission

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

Educational Objectives

The objectives of the Electrical Engineering Program at UCF are that:

1. Graduates demonstrate competence leading to success in technical careers within the areas of Electrical Engineering
2. Graduates demonstrate competence in effective communication, teamwork, and leadership skills leading to a successful and fulfilling 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 shall 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
12. Knowledge of probability and statistics necessary for use in electrical engineering practice
13. Knowledge of advanced mathematics typically including differential equations, linear algebra and complex variables.

The mission statement and objectives for the Computer Engineering and Electrical Engineering programs are electronically posted and continuously updated. More information on the Computer and Electrical Engineering programs can be found on the home page at http://www.eecs.ucf.edu.

Department of Electrical Engineering and Computer Science Policies and Procedures

The Department’s website (http://www.eecs.ucf.edu) is a central point from which visitors may view current policies and procedures of our programs. In particular, links from this page provide up-to-date answers to frequently asked questions (FAQ’s) concerning academic advisement, student professional societies, undergraduate research opportunities, and means to effectively communicate concerns (complaints, suggestions, complaints). We ask that you visit this site and follow its guidelines before you send e-mail and letters, or make phone calls to faculty members and administrators.

Department of Industrial Engineering and Management Systems

Chair: Waldemar Karwowski
ENG2 312; 407-823-2204; Fax: 407-823-3413

Faculty: Calabrese, Crompton-Young, Elshennawy, Geiger, Hoekstra, Karwowski, Kotnour, Lee, McCauley-Bush, Mollaghasemi, Nazzal, Pet-Armacost, Proctor, Rabelo, Reilly, Sala-Diakanda, Sepulveda, Thompson, Williams

Industrial Engineers work to continuously improve the design of systems, processes, or products. They design systems that translate a specific product design into a physical reality in the most productive manner and with the highest possible quality. In doing so, the industrial engineer deals with decisions regarding the utilization of people, materials, machines, and automation (including robotics). Industrial engineers are also skilled in Engineering Economic Analysis and Information Management since they are generally considered to be the natural interface between the technical specialist and management.

Industrial Engineers are generally sought in industry, service, and government organizations. In the industrial sector, the industrial engineer is concerned with improving productivity and quality of the manufacturing, distribution, and management system of organizations. In the service sector, the industrial engineer is concerned with determining the most productive manner in which to deliver high-quality service to the customer. In government organizations the industrial engineer is active in assuring that tax payers receive maximum service for their tax dollars.

The Industrial Engineering approach is characterized by a systematic evaluation of alternatives using quantitative analysis, and computer simulations. As such, quantification and measurement play a key role in the day to day activities of the industrial engineer.

Engineering design experiences are incorporated into many of the required industrial engineering core courses. For instance, students learn how to apply the principles of engineering design to production systems and cost estimation in EIN 3354, to work methods and process flows in EIN 3314, to facilities design and 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 interpersonal skills, and ability to professionally grow and develop their careers.
3. To provide the society with graduates who conduct themselves professionally and ethically and who appreciate the impact and importance of their work on society.

Educational Objectives:

1. To produce graduates capable of applying mathematics, science, and engineering fundamentals to practical engineering problems.
2. To produce graduates who recognize that engineering is a service profession that must be practiced with integrity, honesty, and objectivity.
3. To produce graduates capable of designing experiments and analyzing data to characterize problems.
4. To produce graduates capable of designing systems, components, and processes to meet specific needs, and of applying industrial engineering techniques to solve problems.
Program Outcomes:
1. Students will be able to apply mathematics, science and engineering fundamentals in classroom and real world projects.
2. Students will make responsible decisions and exhibit integrity in classroom and real world projects.
3. Students will be able to collect, analyze, and interpret data in classroom and project settings as well as drawing meaningful conclusions and developing sound recommendations.
4. Students will effectively utilize industrial engineering design and problem-solving skills in classroom and real world projects.
5. Students will communicate effectively, orally and in writing, to peers and superiors in classroom and real world projects.
6. Students will be able to work with persons of varied backgrounds in classroom and real world projects.
7. Students will incorporate contemporary global, economic, and social perspectives into the practice of industrial engineering.
8. Students will be able to measure the impact of global and societal issues on industrial engineering solutions to modern practical problems.
9. Students will explore options for professional growth, including graduate study, conference attendance, and professional society participation.
10. Students will utilize tools and techniques of industrial engineering to effectively and efficiently design systems, products and processes that meet the needs of the society.


Department of Mechanical, Materials, and Aerospace Engineering
Chair: Suhada Jayasuriya
ENGR 307; 407-823-2416; Fax: 407-823-0208

The Department of Mechanical, Materials, and Aerospace Engineering offers undergraduate degree programs in Mechanical Engineering and Aerospace Engineering. The Aerospace Engineering program is designed to provide a broadly-based foundation in aeronautics and astronautics, including topics such as aerodynamics, propulsion, aerospace structures and materials, flight dynamics, and control and performance.

The Mechanical Engineering program is designed to provide a broadly-based foundation in thermo-fluids, mechanical systems and materials, including topics such as solid mechanics, machine design, vibrations, CAD/CAM/FEM, feedback control and mechatronics, fluid mechanics, heat transfer, and structure and properties of materials.

Both programs seek to convey an understanding of the fundamental principles of science and engineering, to stimulate curiosity and creativity, to provide hands-on experience in laboratories, and to prepare students to design systems which solve current and relevant societal problems. The design experience begins in the freshman engineering courses and grows throughout the 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 using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from 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, economic, safety, and quality issues. They will be educated to be life-long learners, pursuing their personal and professional development. Through these characteristics our graduates will be able to rise to positions of prominence in the technical society of tomorrow.

Educational Objectives
1. Career Preparation: The program prepares graduates for employment as engineers in mechanical or allied disciplines, and for graduate study in engineering, business, or allied areas. Students will emphasize mechanical systems, energy systems, or materials, and will have a command of corresponding engineering principles. Among the career opportunities are power generation, mobility engineering, manufacturing, nuclear applications, from A through Z in the 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. An understanding of social, cultural, and ethical principles and responsibilities.
4. An ability to identify, define and solve complex problems that cut across disciplines.
5. An ability to apply math, science, and engineering to problems at the interface between component design and system design.
6. An ability to communicate effectively using appropriate technology and efficiently using information resources.
7. An ability to work collaboratively in multi-disciplinary teams and understand team dynamics.
8. The ability to generate questions and hypotheses, design experiments that will provide meaningful answers, and collect and interpret measurements from mechanical engineering applications.
9. The ability to adapt to sociological and technological change.
10. A significant professional or research experience prior to graduation demonstrating their ability to describe a range of design options, to evaluate the tradeoffs for each option, to understand the need to design for manufacturability and production, and to integrate these concepts to select the best option.
11. The ability to use modern engineering tools in experiments, analysis and design, and to assess the appropriateness of these tools.
12. An understanding of contemporary mechanical engineering applications of technology and their uses in engineering practice.

Reserve Officer Training Corps
Air Force ROTC (Aerospace Studies)
Chair: Col. Michael J. Chandler
Trailer 501, Room 103; 407-823-1247; Fax: 407-823-2265
Faculty/Staff: Captain Gray, Captain Lehmann, Captain Johnson, MSgt Fields, SSgt Sutton, and Mrs. Fioramanti, Office Manager
The Department of Aerospace Studies provides pre-commissioning education for qualified students who desire to serve as commissioned officers in the active duty Air Force. The department offers four-year, three-year, and two and a half year Air Force ROTC programs. The four and three-year program provides on-campus study during the freshman through senior years. The two and a half-year program allows community college transfer students and other students with two and a half academic years remaining in either undergraduate or graduate status to earn an Air Force commission while completing their studies. All programs offer scholarship opportunities to selected students. Students are invited to write or visit the Department of Aerospace Studies to obtain additional information. The Air Force retains sole discretion whether or not any applicant is qualified for pre-commissioning education through the Air Force ROTC program. More information on the Aerospace Studies program can also be found on the UCF AFROTC home page at http://airforce.ucf.edu and the Air Force ROTC home page at http://www.afrotc.com.

Curriculum
Students enrolled in the Air Force ROTC program may major in any academic discipline and earn a minor in Aerospace Studies. A major is not offered by this department. AFROTC courses are listed under the prefix AFR. The curriculum is divided into two phases:
1. General Military Course (GMC)
   The General Military Course is designed to give students their first exposure to the Reserve Officer Training Corps program during their freshman and sophomore years. The courses deal with the mission, organization, and structure of the US Air Force, and the development of air power into a prime element of American national security.
2. Professional Officer Course (POC)
   The Professional Officer Course is designed to develop and hone managerial and officer skills during a student’s junior and senior years. All students who enter 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 over 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
Faculty/Staff: LTC (R) Morales, MAJ Celeste, MAJ Smith, CPT Hall, LT Alexander, MSG Coella, SFC Satchell, Ms. Brown, Ms. Connor, Mr. Rivera; Ms. Martin, Office Manager; 407-823-2430, Fax: 407-823-5324
http://army.ucf.edu

The University of Central Florida, in cooperation with the US Army, provides students an opportunity to earn a commission as a Second Lieutenant after graduation and compete for an active duty assignment. Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will participate in a Field Training Exercise (FTX) and will commission, if qualified, with Embry-Riddle.

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

1. Basic Military Science
A. The Basic Military Science Course consists of four semesters of classroom instruction of one hour each week and a two hours leadership lab. Students incur no military commitment by participating in the Basic Course, unless they qualify and choose to contract as a scholarship or non-scholarship student. These courses address military organizations, equipment, weapons, map reading, land navigation, management skills, grade structure, communications, and leadership. There are non-contractual obligations or commitments for students in the Basic course phase. The Basic Course phase offers students the opportunity to see what Army ROTC is all about (MSL 1001, 1002, 2101, 2102). Students will also participate in a Field Training Exercise (FTX). These general elective courses are normally taken during the freshman and sophomore years and fulfill pre-requisite requirements for entering the Advanced Military Science phase.
B. Requisites for admission to the Basic Course:
   - Enrollment in a Baccalaureate or Master's degree program
   - Full-time student status

2. Advanced Military Science
A. The Advanced Military Science courses (MSL 3101, 3202, 4301, 4302) consists of four semesters of classroom instruction of two hours each week and a two hour leadership lab that are taken during the junior and senior years. These courses specialize in small unit tactics, how to prepare and conduct military training, military justice system, staff procedures, decision making and leadership. Students 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 (LDAC) at Fort Lewis, WA, normally between their junior and senior years.

B. Requisites for Admission to the Advanced Course:
   - Successful completion of Basic Course, or placement credit
   - Must be at least 17 years of age at the time of entry, but not more than 31 years of age at the time of commissioning (31-year age regulation may be waived for veterans up to age 34)
   - Successful completion of an Army physical examination
   - Agreement to complete the Advanced Course requirements and serve on either Active, Reserve, or National Guard duty as a commissioned officer
   - Full-time undergraduate student status (minimum of 12 hours); full-time graduate student status (minimum six hours)
   - US Citizen
   - A minimum cumulative GPA of 2.0 is required to contract non-scholarship cadets, and a minimum cumulative GPA of 2.5 is required for scholarship consideration.

3. Monetary Allowance
All contracted and scholarship students enrolled in the Basic and Advanced Military Science Courses receive a tax-free monthly stipend of $300 during the freshman year, $350 during the sophomore year, $450.00 during the Junior year and $500.00 during the Senior school year.

4. Scholarships
Four, three and two-year scholarships are available for all students who qualify on a competitive basis. These scholarships provide full tuition or room and board not to exceed $10,000 and $1,200 annually for books and fees. In addition, all contracted scholarship students also receive the monthly stipend during the school year. Contact the Enrollment Officer for additional information at 407-823-5383.

5. Placement Credit
Placement credit for the Basic Course can be offered to students with prior service, 3 years of Junior ROTC, and completion of the Leaders 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 waivers 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/aic/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 of Health and Public Affairs houses seven departments and schools: the School of Social Work, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, Health Management & Informatics, and Public Administration.

The College fosters excellence in undergraduate and graduate education, research and community service in health, social services and justice and offers an interdisciplinary PhD program in Public Affairs.

General Requirements for the Bachelor’s Degree

Some Schools, Departments or Programs in the College are upper division, limited access or restricted programs. Acceptance by or registration at the University does not constitute admission to the following: School of Social Work, and the departments of Communication Sciences and Disorders, Criminal Justice, Legal Studies, Health Professions, Health Management & Informatics, and Public Administration.

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.
Department of Communication Sciences and Disorders

Chair: TBA
HPA2 101, 407-823-4798
http://www.cohpa.ucf.edu/comdis

Clinic Director: Janet Whiteside
Research Pavilion Suite 155, 407-249-4770


The discipline of communication sciences and disorders involves the prevention, evaluation, management, and study of human communication and its disorders. The undergraduate program is pre-professional in nature and reflects the scientific foundations of the discipline. The three primary goals of the undergraduate program are: 1) to provide students with the necessary preparation for graduate study in speech-language pathology, audiology, or related fields such as special education, social work, and health services administration; 2) to seek careers in health and human services; and 3) to obtain licensure and employment as speech-language pathology or audiology assistants.

The graduate program prepares speech-language pathologists for work with children and adults experiencing a variety of communication disorders in schools, hospitals, rehabilitation centers, community speech, language and hearing centers, and physician’s offices. The graduate program has been accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association since 1986. Students must plan their major or minor in consultation with a departmental advisor to meet their individual interests and career objectives.

In addition to 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

Chair: Robert Langworthy
HPA 311 407-823-2603


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

Degrees: Criminal Justice (BA, BS, MS)

Tracks: None

Minors: Criminal Justice


Department of Health Management and Informatics

Chair: TBA
HPA2 210; 407-823-2359


The mission of the Department of Health Management and Informatics is to be the leading program in training Health Services executives in Central Florida. In order to realize this mission, the department offers two undergraduate degree programs in Health Services Administration and Health Informatics and Information Management. Each program is designed to provide students with the skills and knowledge necessary to become a leader in the field of health care management.

Program in Health Services Administration

Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient; 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics; 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information; and 4) assistance in collection and analysis of data for public health services planning.

Persons within the health care industry with associate of science degrees in areas such as nursing, respiratory therapy, radiologic technologies, medical laboratory technology, dental hygiene, and others may find this program provides a migration path from the clinical side of the health care industry to the leadership side. Students willing to develop a background in the health care industry can build a solid understanding of the complexity of managing health services organizations.

Program in Health Informatics and Information Management

Health Information Managers are professional members of the modern health care team responsible for: 1) the acquisition and supervision of complete medical records on each patient; 2) the design and management of health information systems which collect, process, store, retrieve, and release health information and statistics; 3) assistance to administration, other health professionals, and medical staff in developing quality assurance programs by abstraction of medical data, preparation of statistical reports, and analysis of information; and 4) assistance in collection and analysis of data for public health services planning.

The curriculum of the Health Informatics and Information Management program is approved by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

The 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: Kristen Schellhase
HPA2 118/119; 407-823-2214

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

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

Program in Athletic Training

This is a competitive program that requires a separate application process following acceptance into the University. Consent from the program director is required. Admission to the Athletic Training program requires a minimum overall GPA of 2.75. In addition, for admission a minimum grade of “C” (2.0) is required for all prerequisite courses and a minimum grade of “C” (2.0) is required for all required courses within the program. The program is accredited by the national professional association and graduates are prepared to take the examination for certification. The Program in Athletic Training at the University of Central Florida is a six semester program where students complete 12-15 credits per semester while engaged in clinical affiliations. The core of athletic training coursework emphasizes the competencies and proficiencies necessary for successful clinical practice in a variety of settings in which certified athletic trainers are presently employed. A significant and important aspect of the educ-
The 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 Humanics National Certification Program

**Certificates:**
- Nonprofit Management

**School of Social Work**

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

**Faculty:** Abel, Buckey, Burg, Gammonley, Hall, Kohn, Lawrence, Leon, Molina, Ramos, Rothenberg, Steen, Walsh, Withers.

The School of Social Work BSW Program (undergraduate social work program) prepares baccalaureate level students for entry level positions within diverse human service organizations. Today social workers are continuing their efforts in hospitals, mental health centers, schools, substance abuse programs, neighborhood centers, nursing homes, homeless shelters, hospice programs, and many other settings. Social workers work with people from all backgrounds to help them find ways to live richer and more productive lives. The strengths perspective is central to the social work profession emphasizing resources, capabilities, resilience, and seeing obstacles as challenges.

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

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

**Degrees:**
- Social Work (BSW, MSW)

**Tracks:** None

**Minors:**
- Aging Studies

**Certificates:**
- Aging Studies, Children’s Services

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

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

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

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

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

Assistant Dean, Undergraduate Medical Education: Jonathan Kibble
Assistant Dean, Undergraduate Medical Education: Lori Boardman
Associate Director of Academic Affairs (Burnett School of Biomedical Sciences): Roseann White
HPA2 335J; 407-823-5932; Fax 407-823-3095

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

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

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

In addition to facilities on the main Orlando campus that support the undergraduate and graduate programs, the college has new facilities that are an integral part of the growing medical city at Lake Nona. The UCF Health Sciences Campus at Lake Nona includes the new 170,000-square-foot medical education building and the 198,000-square-foot Burnett Biomedical Sciences building. The M.D. program is offered in the medical education building, which features the latest in lab and classroom technology. The state of the art research laboratories in the Burnett Biomedical Sciences building provide expanded research opportunities for undergraduate and graduate students.

Programs and Degrees

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<tr>
<th>Program</th>
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<tbody>
<tr>
<td>Biomedical Sciences</td>
<td>B.S., M.S., Minor</td>
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<tr>
<td>Biotechnology</td>
<td>B.S., M.S., M.S./M.B.A.</td>
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<tr>
<td>Medical Laboratory Sciences</td>
<td>B.S.</td>
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<tr>
<td>Biomedical Sciences</td>
<td>Ph.D.</td>
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<tr>
<td>Medicine</td>
<td>M.D.</td>
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College of Medicine Mission, Vision and Goals

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

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

Goals

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

Burnett School of Biomedical Sciences
Director: P. E. Kolattukudy
BL 136; 407-823-1312; Fax: 407-823-0956
Associate Director of Academic Affairs: Roseann White
HPA2 335J; 407-823-5932; Fax: 407-823-3095

The Burnett School of Biomedical Sciences in the College of Medicine offers bachelor degrees in Biomedical Sciences (formerly Molecular Biology and Microbiology) and Biotechnology that prepare students for admission to health professional or graduate programs. The B.S. in Medical Laboratory Sciences provides training for students to work in clinical or hospital laboratories. The School also offers M.S. programs in Biomedical Sciences, and Biotechnology. Also, it offers an interdisciplinary Ph.D. program in the Biomedical Sciences. The UCF College of Medicine provides the UCF Pre-Health Professions Advisement Office (PHPAO), 407-823-2670, to assist in the preparation of applicants for admission to professional schools in health sciences. At this time, the School has approximately 2,350 undergraduate students and 110 graduate students. Faculty and students are conducting research in cancer, cardiovascular, neurodegenerative, and infectious diseases. The Burnett School of Biomedical Sciences houses the Department of Molecular Biology and Microbiology, the Office of Student Services and Advisement, the Biomedical Science Center, and the Pre-Health Professions Advisement Office.

Program in Biomedical Sciences
(Formerly Molecular Biology and Microbiology)

Undergraduate Coordinator: Doryllyn Hitchcock
HPA2 335A; 407-823-5932
Graduate Coordinator: Saleh Naser
BL 221; 407-823-0956

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

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

Tracks: None
Minors: Biomedical Sciences

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

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

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

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

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

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

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

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

The Medical Laboratory Sciences program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS-8410 Bryn Mawr Ave., Ste 670, Chicago, IL 60631) and is approved as a training program by the State of Florida Board of Clinical Laboratory Personnel.

Degrees: Medical Laboratory Sciences (B.S.)
Tracks: None
Minors: None

Office of Student Services and Advisement (OSSA)
Assistant Director: Amanda Colee
HPA2 335A; 407-823-4812;
Academic Advisor: Cynthia Contreras
HPA2 336; 407-823-5767;
Academic Advisor: Ana Maria Schwindt
HPA2 337; 407-823-1259
E-mail: bcbsinfo@ucf.edu

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

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

The Pre-Health Professions Advisement Office (PHPAO) (PHPAO) 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://oeas.ucf.edu/alc/alc_students_bobs.htm
The College of Nursing is the 11th college to be established at the University. It was established as a Department of Nursing and graduated its first class in 1981. The college has achieved prominence as an innovator in nursing education, responding to a changing population with complex health needs. The faculty of the college values access to education and embraces opportunities to utilize advanced technology, innovation and creativity to provide graduates with the highest quality education at the baccalaureate, master’s and doctoral levels.

Today's challenging health care environment provides unique opportunities for nursing. Nurses are needed more than ever to provide evidence-based patient care, serve in leadership roles, teach, engage in research, and influence policy.

The mission of the College of Nursing is to offer high quality undergraduate and graduate academic programs designed to prepare nurses to practice in a continuously changing health care environment; to provide innovative access to education and research; to develop nurse clinicians, leaders and scholars who promote the health of diverse populations in local, national and global communities; and to touch lives lead by example and make a difference through clinical excellence, research and community service.

The College of Nursing offers a Bachelor of Science in Nursing (BSN) degree, the basis for professional nursing practice. The program has three tracks: basic, accelerated and RN to BSN. The basic and accelerated tracks prepare students for initial licensure as a registered nurse. The basic program is also offered at the Cocoa and Daytona regional campus sites. Students with a prior baccalaureate or higher degree from a regionally accredited college or university are eligible for the Accelerated Second Degree BSN option. The BSN graduate is prepared to provide comprehensive care in a variety of acute, community, and rehabilitative settings. The program emphasizes includes clinical nursing practice, health promotion and maintenance, and preparation for assuming leadership roles. The baccalaureate curriculum provides the foundation for graduate study in nursing.

The RN to BSN track offers registered nurses with an associate degree or diploma in nursing an opportunity to earn a BSN. Each applicant is reviewed individually and guided to prevent repetition of previous coursework. RNs may submit applications during any semester. Contact the College of Nursing for specifics on the RN to BSN program. Courses are offered in Orlando, Cocoa, Daytona Beach, Leesburg and Ocala campuses, as well as online. The goal of the Master of Science in Nursing (MSN) degree is to prepare advanced practice nurses to assume leadership positions in a variety of healthcare settings. Program tracks include Clinical Nurse Leader, Nurse Educator, and Nursing Leadership and Management. Minimum hours for the degree are 36-49 hours of graduate work depending on the major. An evidence-based scholarly project is required. Students must be a licensed Registered Nurse to enter this program. A certificate in Nursing Education is available for students with a 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, MSN and PhD programs are accredited by The Commission on Collegiate Nursing Education (CCNE). The BSN Program is approved by the Florida Board of Nursing. All programs are limited access and require a separate application to the College of Nursing.

Degrees: Nursing (BSN) (MSN) (PhD) (DNP)
Tracks: RN to BSN, Basic BSN, Accelerated BSN degree, ASN to BSN Concurrent, AS to BSN, RN to MSN

Minors: None

General Requirements for the Bachelor's Degree
- Programs in the College of Nursing are upper division, limited access programs.
- Acceptance by or registration at the university does not constitute admission to the College of Nursing.
- Application must be made to the appropriate program in Nursing.

Additional information regarding prerequisites and minimum grade point averages may be obtained from the college website: http://www.nursing.ucf.edu

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

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

Programs and Degrees
Major Degree
Nursing BSN, MSN, PhD, DNP

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the College of Nursing are located at: http://oeas.ucf.edu/alc/alc_students_con.htm
CREOL, The College of Optics and Photonics

Dean and Director: Bahaa Saleh
CROL 206; 407-823-6800
E-mail: info@creol.ucf.edu
http://www.creol.ucf.edu

The College of Optics and Photonics is a graduate school for research and education in optics, lasers, and photonics. CREOL (Center for Research and Education in Optics and Lasers), FPCE (Florida Photonics Center of Excellence), and the Townes Laser Institute (TLI) are research centers within the College, but CREOL predates the College by many years and we are best known internationally under this name. CREOL was established in 1986 to provide the highest quality education in optics and lasers, conduct scholarly fundamental and applied research, and aid in the development of Florida’s high technology-based industries. CREOL, FPCE, and TLI are the research arms of the College, which offers Masters (MS) and Doctoral (Ph.D.) Degrees in Optics. CREOL has become an internationally recognized institute with 43 faculty members, 69 Ph.D. level research scientists, and 146 graduate students. The faculty are recognized as being among the best in the optics/laser/photonics field, with two-thirds holding the rank of Fellow in major national and international professional societies. It is housed in a state-of-the-art 104,000-square-foot building dedicated to optics, photonics, and laser education and research on the main campus. This facility houses ninety research laboratories equipped with over $45 million in state-of-the-art equipment. A portion of the building functions as the UCF Photonics Incubator, an extension of the award-winning UCF Business Incubator Program. The research activities span the spectrum from basic science to prototype development. The faculty and research staff pursue joint research projects with industry, academia, and government laboratories, and are always seeking new opportunities to work with industry to expose students to the industrial environment and to help in technology transfer. Current research areas include: nanophotonics, biophotonics, imaging science, plasmonics, high-speed photonics networks and telecommunications, solid state laser development, nonlinear optics, laser induced damage, quantum-well optoelectronics, photonic information processing, infrared systems, optical system design, image analysis, virtual reality, medical imaging, diffractive optics, optical crystal growth and characterization, high intensity lasers, x-ray optics, EUV sources, optical glasses, liquid crystal devices, laser materials processing, quantum optics, and light-matter interaction. These programs are supported by over $11 million of research grants and contracts annually from numerous federal and state agencies and industry.

Graduate assistantships, with stipends ranging from $22,000 to $28,000, plus full tuition waivers, are available to outstanding students pursuing graduate education in optics and photonics. Research training opportunities are also available to undergraduate students through the Research Experience for Undergraduates (REU) program sponsored by the National Science Foundation, and other research grants and contracts.

CREOL has a very active Industrial Affiliates Program to facilitate strong cooperative relations with industry. The program, with over 60 members, provides industry with benefits of ready access to cutting-edge research and to the expertise and facilities of the College. Faculty members also team with small businesses to help them compete for federally sponsored Small Business Innovative Research (SBIR) programs. The program provides industry with effective ways to contribute to and sustain the research and teaching of optics and photonics.
The College of Sciences, the largest academic unit at the university, educates and conducts research in physical, life, social, and behavioral sciences. The College houses the departments of Anthropology, Biology, Chemistry, Mathematics, Physics, Political Science, Psychology, Sociology, and Statistics; the Nicholson School of Communication; and the National Center for Forensic Science.

The College is responsible for all programs in the sciences and the departments collectively offer 52 undergraduate baccalaureate degrees, minors, certificates, tracks, and pre-professional programs. For information concerning graduate programs, please refer to the Graduate Catalog: [http://graduate.ucf.edu/currentGradCatalog/](http://graduate.ucf.edu/currentGradCatalog/)

Undergraduates enrolled in the College must fulfill all University degree requirements, including those for general education, as well as the requirements of the degree program. To be certified for graduation, a student must achieve at least a "C" GPA (2.0) in the courses of his or her major and/or minor. Some departments also require a minimum grade in specified courses and/or in portions of the program of study. Consult the program requirements and a departmental advisor for specific policies. For programs with a foreign language graduation requirement, American Sign Language is not considered a foreign language and will not satisfy the requirement unless specifically permitted within the major.

**Preprofessional Programs**

**Prelaw Program**

*Prelaw Advisor: Roger Handberg*  
PH 302; 407-823-2608

There is no preferred major for pre-law. Law schools accept superior students with a good liberal arts or science background, regardless of major field. The quality of undergraduate education for the legal profession, according to the Association of American Law Schools, is grounded in three basic skills and insights: comprehension and expression in words, critical understanding of the human institutions and values with which the law deals, and the creative power of thinking. Law schools require that applicants take the Law School Admission Test (LSAT). General information pertaining to programs of study, the LSAT, careers, and law schools can be obtained from the Pre-Law Advisor. Advisement within the major is provided by the department offering the major.

**Prehealth Professions**

The College of Sciences offers many of the courses that fulfill admission requirements for professional schools in the Health Sciences. Refer to the Biology Preprofessional Concentration for additional information.

**Advisement**

**College of Sciences, Academic Services (COSAS)**  
*Director of Undergraduate Services: Lee Anne Kirkpatrick*  
CSB 250; 407-823-6131  
E-mail: cosas@mail.ucf.edu  

The College of Sciences Academic Services (COSAS) is the primary office for undergraduate academic advisement for the College of Sciences. COS students will have at least two primary advisors, one within COSAS and one within the department of their major. Second year students transitioning from the "First Year" advising offices should make an appointment with their COSAS advisor by the end of the fall term of their second year at UCF. At that appointment, students will also then be referred to an advisor within the department of their major. New transfer students within COS should meet with their COSAS advisor and their department advisor by the end of their first term at UCF. COSAS assists students with degree requirements, policies, and procedures as well as coordinates orientation, registration, readmission, and graduation. COSAS advisors also work with students at risk of, and currently on, academic probation. Questions concerning University and College academic policies and requirements should be directed to COSAS. Questions concerning the specific requirements within a major or minor should be directed to the department offering the program. For additional information about COSAS, please visit our website.
Programs and Degrees

Title | Degree | Concentration
--- | --- | ---
Actuarial Science | Minor | Minor
Advertising-Public Relations | MA | Minor
Anthropology | BA, MA, Minor | Minor, BS Track
Astronomy | Minor | Certificate
Behavioral Forensics | Certificate | Certificate
Biography | BS, MS, Minor | BS Concentration
Biomedical Sciences | PhD | Minor
Chemistry | BS, MS, PhD, Minor | Minor
Communication | MA | Minor
Conservation Biology | PSM, PhD | Minor
Biochemistry | BS Track | Minor
Data mining | Certificate | Minor
Diplomacy | Certificate | Minor
Diversity & Social Inequality | Minor | Minor
European Studies | Minor | Minor
Forensic Science | BS, MS | Minor
International & Global Studies | BA, Minor | Minor
Interpersonal/Organizational Communication | BA, Minor | Minor
Journalism | BA | Minor
Journals Studies | Minor | Minor
Magazine Journalism | Minor | Minor
Mass Communication | Minor | Minor
Mass Culture & Collective Behavior | Minor | Minor
Mathematics | BS, Certificate, MS, PhD, Minor | Minor
Maya Studies | Certificate | Minor
Medical Anthropology | Minor | Minor
Medical Sociology | Minor | Minor
North American Indian Studies | Minor | Minor
Physics | BS, Certificate, MS, PhD, Minor | Minor
Political Science | BA, MA, Minor | Minor
Political Science-Pre Law | BA Track, Minor | Minor
Psychology | BA, MS, MA, PhD, Minor | Minor
Radio-Television | BA | Minor
Social Sciences Interdisciplinary | BS | Minor
Sociology | BA, MA, PhD, Minor | Minor
Statistics | BS, MS, Minor | Minor

Departments, Schools, and Programs

Department of Anthropology

Chair: Arlen F. Chase
PH 309; 407-823-2227
E-mail: anthro@ucf.edu
http://anthropology.cos.ucf.edu/

Assistant Chair and Graduate Coordinator: Toshia Dupras
PH 309; 407-823-2227
Undergraduate Coordinator: John Schultz
PH 309; 407-823-2227

Faculty: Barber, A. Chase, D. Chase, Dupras, Geiger, Groff, Howard, Lieberman, Long, Matejovsky, McIntyre, Mishal, Reyes-Cortez, Schultz, Sinnelli, Toyne, Walker, Professors Emeritus: Stearman, 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, Bohlen, Crampton, Fauth, Fedorka, Harris, Hinkle, Hoffman, Jenkins, Klodwen, Lodigio, Manjerox, Noss, Parkinson, Quin-tana-Ascencio, Song, Sotero-Esteva, Stern, Thomas, Vajravelu, Von Holle, von Kalm, Walters, Weishampel, Worthy; Professors Emeritus: Ehrhart, Ellis, Kuhn, Koenenig, Osborne, Snellson, 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 subspecialty. Careful selection of restricted and unrestricted electives allows students to satisfy requirements for admission to professional or graduate school while completing their B.S. degree in Biology. Research experience and exposure to specialized topics not taught through formal courses may be gained through independent study.

Degrees: Biology (BS, MS), Conservation Biology (PSM, PhD)

Concentration: Biology Pre-professional (BS)

Minors: Biology

Department of Chemistry

Chair: Kevin D. Belfield
CH 117; 407-823-2246
E-mail: chemstat@mail.ucf.edu
http://chemistry.cos.ucf.edu/

Associate Chair and Undergraduate Coordinator: Pedro Patino
CH 107A; 407-823-2246

Faculty: Ballantyne, Belfield, Blair, Campiglia, Clausen, Datta-Gupta, Diaz, Dixon, Elsheimer, Frazer, Geiger, Hampton, Hernandez, Hickman, Igarashi, Kolpaschikov, Kuebler, Kuijawa, Liao, Mattson, Miles, Miller, Patino, Richardson, Sigman, Ye, Zou

The Department of Chemistry offers courses and programs leading to a Bachelor of Science in Chemistry, Bachelor of Science in Forensic Science, minor in Chemistry, Master of Science in Industrial Chemistry, Master of Science in Forensic Science, and Ph. D. in Chemistry. The department also participates in the Ph.D. in Biomedical Science. The undergraduate degree program in chemistry is accredited by the American Chemical Society Committee on Professional Training. It prepares the graduate for career opportunities in the chemical or related industries, or in government laboratories. The program also prepares students for further study at the graduate level in chemistry or in a related area such as materials science, pharmacology, or toxicology. With an appropriate choice of electives it also constitutes excellent preparation for the professional schools of dentistry, medicine, pharmacy, and veterinary medicine.

Degrees: Chemistry (BS, MS, PhD), Forensic Science (BS, MS)

Tracks: Chemistry, Biochemistry, Forensic Analysis, Forensic Biochemistry

Minors: Chemistry

Nicholson School of Communication

Director: Robert C. Chandler
NSC 240; 407-823-2683
http://communication.cos.ucf.edu/

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

Faculty: Akita, Bagley, Barfield, Bledsoe, Brown, Brunson, Butler, Chandler, Collins, Coombs, Davis, DeLorme, Dusseau, Graham,
The Nicholson School of Communication provides communication studies with a balance of practical skills and theoretical aspects. The school prepares students to investigate, understand and effectively enact and understand human communication and/or mass communication. Some programs focus on communication media and train students for professional careers in mediated communication fields. The school is composed of four program areas each of which offer Bachelor of Arts degrees. The degrees are:

1. Advertising-Public Relations: Provides knowledge of theory, concepts, and practical skills in both advertising and public relations for professional careers.
2. Interpersonal-Organizational Communication: Provides knowledge of theory, and skills needed to understand, successfully predict and effectively interact with other human communicative behaviors in both professional and personal contexts including those necessary for interpersonal relationships, conflict management, intercultural interaction, employment in business, sales, and NPOs, and/or as background for advanced study in graduate school.
3. Journalism: Provides knowledge of theory and skills needed for careers as a journalist (newspapers, magazines, broadcast, and online forms of mass communication).
4. Radio-Television: Provides knowledge of theory and skills needed for careers in the field broadly defined as radio-television, including content creation, media production, broadcast journalism, media management and programming/promotions in a broadcast, cable online or corporate environment.

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

Departments

The Nicholson School of Communication and Mass Communication

Department of Mathematic
Chair: Piotr Mikusinski
MAP 209; 407-823-2826
E-mail: math@mail.ucf.edu
http://math.ucf.edu
Associate Chair/Undergraduate Coordinator: Joseph P. Brennan
MAP 215A; 407-823-5700

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

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

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

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

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

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

Minors: Mathematics

Department of Physics
Chair: Talat Rahman
PS 430A; 407-823-5785
E-mail: physics@ucf.edu
http://physics.cos.ucf.edu/
Associate Chair: Joshua Colwell
PS 434; 407-823-2012


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

Associate Chair: TBA
PH 302; 407-823-2608

College of Sciences

The Department of Political Science seeks to:

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

Students should plan their major or minor in consultation with their departmental advisor according to their interests and career objectives. Political Science courses are divided into three areas of specialization: American Politics and Policy; International Relations and Comparative Politics; and Political Theory. It is strongly recommended that majors planning to continue their education at the graduate level or to pursue a career in international fields acquire a working knowledge of a foreign language beyond that required for the B.A. The Department of Political Science participates in the following programs:

- Asian Studies: Contact Houman Sadri, Quan Li, or Myunghee Kim.
- Environmental Studies: Contact Dwight Kiel or Peter Jacques.
- European Studies: Contact Kerstin Hamann or Barbara Kinsey.
- Global and International Studies: Contact Waltraud Q. Morales or Roger Handberg or Aubrey Jewett.
- Latin American and Iberian Studies: Contact Waltraud Q. Morales or Bruce Wilson.
- Space Studies: Contact Roger Handberg.
- Women's Studies: Contact Terri S. Fine.

Degrees: Political Science (BA, MA), International and Global Studies (BA)

Tracks: American Politics, International Relations & Comparative Politics, Prelaw

Minors: Political Science, Political Science/Prelaw, European Studies, International and Global Studies

Certificates: Diplomacy Certificate

Department of Psychology
Chairs: TBA

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

PSY 301; 407-823-2216

Faculty: Azimi, Bedwell, Beidel, Berman, Brophy, Cassisi, Chin, Cox, DeChurch, Dipboy, M. Dunn, S. Dunn, Fouty, Fritzche, Ghasinejad, Gilson, Hancock, Hernandez, Hickey, Hitt, Janowsky, Jensen, F. Jentsch, K. Jentsch, M. Kennerley, Le, McConnell, McGuire, Mittarella, Mouloa, Murdoch, Negy, Pritchard, Rapport, Reid, Renk, Reynoso, Rinalducci, Salas, Saunders, Shirley, 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
Chairs: TBA

PH 403B; 407-823-3744
http://sociology.ucf.edu/

Associate Chair: J. Jasinski

Faculty: Canan, Sc.Carter, Sh.Carter, Cook, Corzine, Ford, Gay, Grauherholz, Huff-Corzine, Jasinski, Lynxwiler, Morris, Mustaine, Pals, Reckdenwald, Rivera, Sikorska-Simmons, Wright

Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses.

Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, healthcare, and changes in the family.

The department offers courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, information management specialist, and research analyst.

For more information about our nationally acclaimed yet personable faculty and our relevant, flexible major, go to http://sociology.ucf.edu/

Degrees: Sociology (BA, MA, PhD), Social Sciences Interdisciplinary (BS)

Tracks: Domestic Violence (MA)

Minors: Crime, Law & Deviance, Diversity & Social Inequality, Mass Culture & Collective Behavior, Medical Sociology, Sociology, Social Sciences Interdisciplinary

Department of Statistics
Chairs: D. Nickerson

CCII 208; 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.oecs.ucf.edu/alcalc_students_cosci.htm
The Office of Undergraduate Studies supports the colleges and units in their curricular planning, collaborates with faculty curricular oversight, works with faculty and administrators to assure the strength of university-wide programs such as general education, and advocates for an undergraduate education that offers an outstanding learning experience to UCF students. Interdisciplinary academic degrees such as the Bachelor of Applied Sciences, and the Bachelor of Sciences and Bachelor of Arts in Interdisciplinary Studies, are conferred from this office. Units within Undergraduate Studies include the Office of Academic Services, the Office of Experiential Learning, the Faculty Center for Teaching and Learning, the Office of Undergraduate Research, the Office of Interdisciplinary Studies, the Office of Pre-Professional Advising, and the McNair and Research and Mentoring Programs. The Dean serves as the final arbitrator for all undergraduate academic appeals.

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

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

Bachelor of Applied Science
Dean: TBA
MH 218; 407-823-2373
http://www.regionalcampuses.ucf.edu/bas/

The Bachelor of Applied Science serves all Associate of Science (A.S.) graduates who desire a Bachelor of Science (B.S.) degree for career or personal advancement. The program builds upon the technical or professional skills acquired in the A.S. to develop competencies in management and communication, with emphasis on developing skills in critical thinking, problem solving and decision making. The curriculum consists of core courses in ethics, management and communication, and a concentration chosen by the student.

Office of Experiential Learning
Director: Sheri Dressler
CSEL 300; 407-823-2667
http://www.explearning.ucf.edu/

This office provides and supports co-op, internship and service-learning courses for students in all colleges through partnerships with college faculty and community partners locally, nationally and internationally. Experiential Learning faculty teach co-op and internship courses, facilitate the development of quality internship and service-learning courses in colleges through faculty professional development and partnerships, develop and maintain productive relationships with employers, and compile and distribute student learning outcome data from applied learning courses campus-wide, and compile engagement data across campus for institutional research. Our primary goal is to ensure that students have access to and include experiential learning courses in their academic programs. These opportunities help students apply course content in real-world settings, reflect on their experiences, and gain relevant professional and academic skills needed to become capable members of the workforce and engaged citizens upon graduation.
Office of Undergraduate Studies

Faculty Center for Teaching and Learning
Director: Melody Bowdon
CL1 207; 407-823-3544
http://www.fctl.ucf.edu/

The Faculty Center provides support for all the roles of faculty - excellence in teaching and learning, successful research and creative activities, professional advancement, and collaborative endeavors - through multiple formats including workshops, events, consultations, class observations, online resources, publications, and strategic initiatives. This office coordinates the Academic Orientation for new faculty, university-level Undergraduate Teaching and Advising Awards, Scholarship of Teaching and Learning Awards, and assists with mentoring for faculty success.

McNair Scholars Program
Director: Michael Aldarondo-Jeffries
CC2 221; 407-823-1815
http://mcnair.ucf.edu/

The McNair Scholars Program is a U.S. Department of Education TRIO program which provides an enriching educational experience for students from underrepresented groups and first-generation/low-income students to excel as undergraduates, prepare for graduate school and ultimately enter faculty positions. The program works closely with participants through their undergraduate career, encourages their entrance into graduate programs, and tracks their progress to successful completion of advanced degrees. Students participate in research method courses, GRE preparation, faculty-guided research and graduate school visits.

Office of Interdisciplinary Studies
Director: Michael Hampton
CL1 302; 407-823-0144
E-mail: is@mail.ucf.edu

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

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

Degrees: Interdisciplinary Studies (BA, BS, MA, MS)
Tracks: Interdisciplinary Studies, Environmental Studies, Women's Studies
Minors: Environmental Studies, World Comparative Studies, Leadership Studies
Certificates: Leadership Studies, Cultural Tourism

Office of Pre-Professional Advising (OPPA)
Director: Bernard Mackey
FC 203; 407-823-3033
http://www.oppa.ucf.edu/

The Office of Pre-Professional Advising (OPPA) provides guidance and support to students interested in pursuing careers in the health and legal professions. OPPA provides information about the field of law and a wide variety of health-related fields such as allopathic (M.D.), osteopathic (D.O.), and veterinary (D.V.M.) medicine, dentistry, pharmacy, optometry, podiatry, chiropractic, physician assistant, physical therapy, and occupational therapy. These careers require academic study in professional school settings beyond the baccalaureate degree, and OPPA assists “Pre-Professional” Students in any undergraduate major by offering academic advising, administrative support, and other activities related to preparing for and applying to professional schools. OPPA’s goal is to enhance the likelihood of success for all Pre-Professional Students who seek acceptance into a professional school.

Research and Mentoring Program
Director: Michael Aldarondo-Jeffries
CC2 221; 407-823-1815
http://ramp.ucf.edu/

The Research and Mentoring Program (RAMP) prepares students for entry into graduate and professional school. Through involvement in research projects and working with faculty men-
Rosen College of Hospitality Management

Dean: Abraham Pizam
9907 Universal Boulevard, Suite 231-H Orlando, FL 32819;
407-903-8000
http://www.hospitality.ucf.edu

Associate Deans: Tadayuki Hara; Youcheng Wang;
9907 Universal Boulevard, Suite 231-A; 407-903-8000

Orlando Campus Academic Advising:
Classroom Building I, 302H; 407-823-1112

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

The hospitality industry represents the second largest employer in the United States and is the major part of the rapidly growing services sector of the economy. Because of its unique location in the premier tourist destination in the world, the Rosen College of Hospitality Management is ideally situated to prepare students for leadership careers in the hospitality industry. Whether the student is interested in entering lodging, food service, travel and tourism, financial management and technology, theme parks, vacation ownership resorts, golf management, or event management, the Orlando and Central Florida area offers extraordinary opportunities.

It is the destination for over 49 million tourists each year, has over 400 hotels with 120,000 rooms, 5,000 restaurants, and 75 theme parks and attractions. The industry employs a half million people in the State of Florida and many are in the Central Florida area.

The educational mission of the College is to provide students with the knowledge, skills, and ability to identify opportunities and challenges in the hospitality industry, and to apply creative decision techniques in responding to those opportunities.

The curriculum is designed to prepare students for a broad range of managerial roles across the hospitality industry. It provides both academic preparation and practical experiences that students will need to enter and succeed in a hospitality management career. Students also have the opportunity to experience the work world in hospitality through an internship requirement and through extensive contact with leading hospitality managers in the Central Florida area. There are three undergraduate degrees offered.

The College also houses the Linda Chapin Eminent Scholar Chair in Tourism Management and the Dick Pope Sr. Institute for Tourism Studies which was created and funded by the travel and tourism industry in Central Florida. The Institute conducts research and gathers information that helps the entire Orlando area hospitality industry better understand and serve its many guests from around the world.

The Center for Multi-Unit Restaurant Management and the Darden Eminent Scholar Chair in Restaurant Management provide a unique focus in the curriculum on corporate restaurant management. Students have access through the Center to leading restaurant industry executives. This academic unit is an integral part of the Rosen College of Hospitality Management.

Distinctive Benefits
- A state-of-the-art facility located in the heart of the tourism district in Orlando, Florida with on-campus housing.
- Access to the many hospitality organizations that serve one of the premier tourist destinations in the world.
- Extensive ties with the top leadership of the Orlando area hospitality industry.
- A large number of scholarships made available through the generous support of the industry.
- Outstanding faculty from 17 different countries.
- A faculty committed to continuously improving their knowledge of the hospitality industry as well as their ability to teach that knowledge to their students.
- A required work experience that provides students with practical experiences in the hospitality industry.
- Outstanding opportunities for internships.
- A modern food production laboratory and teaching restaurant completely equipped to provide students with experience in food preparation.
- Multiple endowed chairs and professorships.

Degrees:
- Event Management (BS)
- Hospitality Management (BS)
- Restaurant and Food Service Management (BS)

Tracks:
- Theme Park and Attraction Management
- Golf and Club Management

Minor: Hospitality Management

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs in the Rosen College of Hospitality Management are located at: http://oeas.ucf.edu/alc/alc_students_rhm.htm

University of Central Florida
UCF DEGREE PROGRAMS

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
Biological Science
Biological Science - Preprofessional Concentration
Biomedical Sciences
Biomedical Sciences - 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.
Digital Media
Early Childhood Development and Education Track 1: Education: Pre-Kindergarten - Primary
Early Childhood Development and Education Track 2: Early Childhood Development
Economics
Economics, Business
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
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
Latin American Studies
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 - Preprofessional Concentration
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 - Concurrent A.S.N. to B.S.N. enrollment option
Nursing - R.N. to B.S.N. Program
Nursing - R.N. to M.S.N. Option
Philosophy
Photography
Physics
Political Science
Political Science - Prelaw Track
Psychology
Public Administration
Radio - Television
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 Exercise Science
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
407-823-2184

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

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

Degree Requirements
- None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   Prefer SPC 1608 Fundamentals of Oral Communication
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required CGS 2100C Computer Fundamentals for Business
   Required MAC 1140 Pre-Calculus Algebra
   D: Social Foundations (6 hrs)
   Select 1: ECO 2013 Principles of Microeconomics
   Suggested ECO 2023 Principles of Microeconomics
   Select 1: ANT 2000 General Anthropology or
   Suggested PSY 2012 General Psychology or
   Suggested SYG 2000 Introduction to Sociology
   E: Science Foundations (6 hrs)
   2. Common Program Prerequisites (CPP) (18 hrs)
   - Must be completed with a “C” (2.0) or better
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   ACG 2021 Principles of Financial Accounting
   ACG 2071 Principles of Managerial Accounting
   CGS 2100C Computer Fundamentals for Business
   ECO 2013 Principles of Macroeconomics
   ECO 2023 Principles of Microeconomics
   Select one of the following sequences of courses:
   ECO 3401 Quantitative Business Tools I
   or
   MAC 2333 Concepts of Calculus and
   STA 2023 Statistical Methods I and
   Students must receive a “C” (2.0) or better in both MAC 2333 and STA 2023 to be waived from ECO 3401.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (32 hrs)
   First or subsequent semester in the College of Business Administration:
   - GEB 3021 Cornerstone: Professional Skills for Business
   - GEB 3031L Cornerstone Lab: Professional Skills for Business
   - BUL 3130 Legal and Ethical Environment of Business
   - ECO 3411 Quantitative Business Tools II
   - FIN 3403C Business Finance
   - GEB 3375 Introduction to International Business
   - MAN 3025 Management of Organizations
   - MAR 3023 Marketing
   - MAR 3203 Supply Chain Management
   - Must be taken in 1st or 2nd semester.

Required courses for major: 24 hrs
- ACG 3131 Intermediate Financial Accounting I
- ACG 3141 Intermediate Financial Accounting II
- ACG 3361 Cost Accounting I
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations
- ACG 4401C Accounting Information Systems
- ACG 4651 Auditing
- ACG 4803 Contemporary Issues in Accounting
- TAX 4001 Taxation of Business Entities and Transactions

5. Restricted Electives
- None

6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management

7. Foreign Language Requirements
   Admissions
   - Admission: Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   Graduation
   - None

8. Electives
   - None

9. Additional Requirements
   - Must complete all Gordon Rule and CLAS requirements, prior to admission to this degree.
   - Students must earn at least 60 credit hours of coursework outside of the College of Business (ECO 2013, 2023, 3401, and 3411 count towards this 60 hour requirement).
   - Students who change degree programs and select this major must adopt the most current catalog.
   - Students must have a “C” (2.0) or better in each common program prerequisites class.
   - A minimum grade of “C” (2.0) must be earned in each accounting, business law, and tax course completed. Principles of Financial Accounting and Principles of Managerial Accounting are included under this rule.
   - Students in the Accounting major must maintain a 2.0 or higher cumulative Grade Point Average in all 3000 level or higher Accounting or Tax courses taken at UCF. Failure to maintain the required 2.0 Grade Point Average will result in the student being placed on lack of progress in the major. Lack of Progress in the major will continue until such time as the student’s cumulative GPA in all Accounting and Tax courses reaches 2.0 or higher. If a student on lack of progress in the major fails to achieve a 2.0 minimum GPA in Accounting and Tax courses in the subsequent term, that student will be dropped as an accounting major. A student who is dropped may seek re-admittance as an Accounting major by submitting a letter indicating the reasons for academic difficulties and positive plans for achieving an Accounting and Tax GPA of 2.0 or higher. Readmission is not automatic.
   - Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
   - Students must have at least a 2.0 GPA in the College of Business and in the accounting major.
   - A grade of “C-” (1.75) or lower is not satisfactory for continuing into other accounting courses and will not count toward graduation for an accounting major.

10. Required Minors
- None
11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Eligibility: Requirements for admission to Honors in the Major are:
  - completion of at least 60 semester hours of college credits including at least 12 graded upper-division hours at UCF; at least a 3.5 GPA within the major; and at least a 3.2 cumulative GPA including all upper-division courses regardless of institution.
- Admission: Application for admission to the Honors in the Major program must be approved by both the Honors in the Major Coordinator for the School of Accounting and Associate Dean of the Honors College plus the payment of $25.00 one-time membership dues.

Requirements:
- Students accepted into the Honors in the Major Program must complete either:

  Take all of the following sequences:
  - ACG 4903H Honors Directed Reading I or ACG 4904H Honors Directed Reading II 3 hrs
  - and ACG 4907H Undergraduate Honors Thesis 3 hrs

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

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 majored.
- 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, Microeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Courses taken at community colleges do not substitute for upper division courses.

Acceptable Substitutes for Transfer Courses
- ACG 2021 Principles of Financial Accounting 3 hrs
  - may be substituted with:
  - ACG 2001 and ACG 2011

Plan of Study
Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- Cult-Hist I* 3 hrs
- Psy/Ant/Soc 3 hrs
- Science 3 hrs

Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- Cult-Hist II* 3 hrs
- Science 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2013 Principles of Microeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- MAR 3023 Marketing 4 hrs
- POS 2041 American National Government 3 hrs

Junior Year - Fall
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- ISM 3011C Essentials of Management Information Systems 4 hrs

Junior Year - Spring
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs

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

Senior Year - Spring
- ACG 3501 Financial Accounting for Governmental and Nonprofit Organizations 3 hrs
- ACG 4651 Auditing 3 hrs
- ACG 4803 Contemporary Issues in Accounting 3 hrs
- MAN 4720 Strategic Management 4 hrs
- Free Elective 3 hrs

1 *“C” (2.0) or better grade required in each class.
**Accounting majors must have a “C” (2.0) or better in each class to include law and tax and a 2.0 GPA major.
***General electives as required to reach 120 semester hours.

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oes.ucf.edu/alc/academic_learning_comacts.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@mail.ucf.edu
Joan McCain - Area Coordinator, jmccain@mail.ucf.edu
Rebecca Morales - Academic Support, rmorales@mail.ucf.edu
407-823-2681

Admission Requirements
- Students should apply to become Advertising - Public Relations majors only after completing all requirements for admission.
- Students must satisfactorily complete a minimum of 45 credit hours of college work before applying.
- The student’s GPA is a major component of the admission criteria.
- The admission GPA will be calculated using all college work attempted.
- The GPA cut-off for admission varies each semester, depending on the applicants; but for the previous 6 admission periods, the GPA averaged 3.4.
- Students must demonstrate acceptable keyboard skills.
- Students must receive a positive evaluation by the Nicholson School of Communication.
- Students must successfully complete, or be enrolled in, the following courses before applying:

  Complete the following: 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 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.
- 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 3 hrs
  Suggested MGF 1106 Finite Mathematics or 3 hrs
  Prefer MGF 1107 Explorations in Mathematics or 3 hrs
  May substitute a higher level math with appropriate scores on the Math Placement Exam.

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

D: Social Foundations (6 hrs)

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

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

E: Science Foundations (6 hrs)

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

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

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

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

  Complete all of the following: 6 hrs
  ADV 3008 Principles of Advertising and 3 hrs
  PUR 4000 Public Relations 3 hrs

May be completed before or after admission to the program:

  Complete the following classes:
  SPC 1608 Fundamentals of Oral Communication and GEP/CPP
  STA 2014C Principles of Statistics GEP/CPP

4. Core Requirements: Advanced Level (21 hrs)

Complete after admission to the program:

  ADV 4101 Advertising Copywriting 3 hrs
  ADV 4103 Advertising Copywriting 3 hrs
  ADV 4300 Advertising Media Planning 3 hrs
  COM 3311 Communication Research Methods 3 hrs
  MMC 3200 Mass Communication Law 3 hrs
  MMC 4411 Ad-PR Campaigns 3 hrs
  PUR 3100 Writing for Public Relations 3 hrs
  VIC 3001 Visual Communication 3 hrs

Select one internship: 3 hrs
  ADV 4941 Internship or 3 hrs
  PUR 4941 Internship 3 hrs

5. Restricted Electives (12 hrs)

Complete a maximum of 12 credits of the following after admission to the program:

  ADV 4103 Radio-Television Advertising 3 hrs
  ADV 4300 Advertising Media Planning 3 hrs
  COM 3311 Communication Research Methods 3 hrs
  JOU 4700 Journalism Ethics 3 hrs
  PUR 4110C Public Relations Publications 3 hrs
  PUR 4801 Public Relations Case Studies 3 hrs

You may take either internship, but not both. 3 hrs
  ADV 4941 Internship 3 hrs
  PUR 4941 Internship 3 hrs

6. Capstone Requirements
- The following Advanced Core course meets the Capstone Requirement:
  MMC 4411 Ad-PR Campaigns 3 hrs

7. Foreign Language Requirements
Admissions
- Met by graduation requirement.

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

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Marketing
- Related Minors
- None
- Related Programs
- Marketing
- Certificates
- 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 school advisor for alternate, new or more appropriate selections.
UCF Degree Programs

Aerospace Engineering (B.S.A.E.)

College of Engineering and Computer Science

Department of Mechanical, Materials, and Aerospace Engineering, Engineering 1, Room: 307

http://www.mmae.ucf.edu

E-mail: mmaeugrad@mail.ucf.edu

Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137

Undergraduate Advisor, mmaeugrad@ucf.edu

407-823-2416

Admission Requirements

- None

Degree Requirements

- None

1. UCF General Education Program (GEP) (38 hrs)

- UCF General Education Program (GEP) is described in the General Education Program section, located elsewhere in this catalog.

- Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E.

- Engineering students should closely study the requirements of the UCF General Education Program section, located elsewhere in this catalog.

- Engineering students should closely study the requirements of the UCF General Education Program section, located elsewhere in this catalog.

- Students transferring to UCF from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring in.

A: Communication Foundations (9 hrs)

Required
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs

Select 1:
- Prefer SPC 1603 Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication 3 hrs
- Suggested SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select two classes from Historical Foundations 6 hrs

Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required
- MAC 2311 Calculus with Analytic Geometry I 4 hrs

Required
- STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select 1:
- Prefer ECO 2013 Principles of Macroeconomics or 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.

- 1 MAC 2311 Calculus with Analytic Geometry I
- 1 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- 1 MAC 2313 Calculus with Analytic Geometry III 4 hrs
- 1 MAP 2302 Differential Equations 3 hrs
- 1 PHY 2048C Physics for Engineers & Scientists I GEP
- 1 PHY 2049C Physics for Engineers and Scientists II 4 hrs

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

- A “C” (2.0) or better is required in this course.
- A “C” (2.0) or better is required in this course. Must also take CHM 2041C as 2nd part of sequence.
- A “C” (2.0) or better is required in this course. Must also take CHM 2040C as 1st part of sequence.

3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements listed in section 4, the technical elective courses listed in section 5 below and with the senior design courses listed in section 6 below. Independent study courses generally do not satisfy major requirements.

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

4. Core Requirements: Advanced Level (54 hrs)

- Engineering Analysis-Statics 3 hrs
- Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers GEP
- EAS 3010 Fundamentals of Aerospace Flight 3 hrs
- EAS 3101 Fundamentals of Aerodynamics 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 3810C Design of Aerospace Experiments 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4200 Flight Structures 3 hrs
- EAS 4300 Aerothermodynamics of Propulsion Systems 3 hrs
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 4312C Feedback Control 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EAS 4210 Space Structural Dynamics 3 hrs

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

5. Restricted Electives (9 hrs)

- Technical electives are available in the BSAB program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

http://mmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf

6. Capstone Requirements (6 hrs)

- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.

- CECS encourages all engineering students to take the Fundamentals Exam during their senior year.

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

Select 1:
- EAS 4710C Aerospace Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

7. Foreign Language Requirements

Admissions

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Department Exit Requirements

- 25% of course work must be in residency at UCF.
### UCF Degree Programs

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 46 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 128

#### Honors In Major
- None

#### Related Programs
- Mechanical Engineering

#### Certificates
- None

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

#### Advising Notes
- Double Degree/Double Major requirements listed under college section of the catalog.

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

#### Freshman Year - Fall
- EAS 3990 Aerospace Career and Academic Faculty
  - Advising I: 3 hrs
- EAS 4991 Aerospace Career and Academic Faculty
  - Advising II: 3 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 to the academic advisor.
- EGN 1006C and EGN 1007C are required courses for incoming freshmen. These courses will be replaced by an approved Aerospace Engineering Elective for transfer students.

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall
- EGN 1006C Introduction to the Engineering Profession 1 hr
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs
- Select 1: 3 hrs
  - CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
  - or
  - CHM 2045C Chemistry Fundamentals I 4 hrs
  - or
  - CHM 2040 Chemistry Fundamentals IA 3 hrs
  - or
  - CHM 2041 Chemistry Fundamentals IB 3 hrs
- 1 Preferred

#### Freshman Year - Spring
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Select 1: 3 hrs
  - SPC 1603 Fundamentals of Technical Presentations 3 hrs
  - or
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

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

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

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

#### Junior Year - Fall
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EAS 3101 Fundamentals of Aerospace Flight 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 4200 Flight Structures 3 hrs
- 1 EAS 3530 Space Systems Concepts 3 hrs
- EAS 3990 Aerospace Career and Academic Faculty 0 hrs
  - Advising I: 3 hrs

#### Junior Year - Spring
- EAS 3200C High-Speed Aerodynamics 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs
  - Advising II: 3 hrs

#### Senior Year - Fall
- EAM 3706 Structure and Properties of Aerospace Materials 3 hrs
- EML 4312C Feedback Control 3 hrs
- EAS 4412C Interdisciplinary Design I 3 hrs
- GEP 3 hrs
- Select 1: 3 hrs
  - EAS 4700C Aerospace Design I or 3 hrs
  - EGN 4412C Interdisciplinary Design I or 3 hrs

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

#### Select 1:
- EAS 4710C Aerospace Design II or 3 hrs
- EGN 4412C Interdisciplinary Design II or 3 hrs

#### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.engineering.ucf.edu/alc/academic_learning.compacts.htm

#### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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### Freshman Year - Summer
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- GEP 3 hrs

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

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

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

### Junior Year - Fall
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EAS 3101 Fundamentals of Aerospace Flight 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 4200 Flight Structures 3 hrs
- 1 EAS 3530 Space Systems Concepts 3 hrs
- EAS 3990 Aerospace Career and Academic Faculty 0 hrs
  - Advising I: 3 hrs

### Junior Year - Spring
- EAS 3200C High-Speed Aerodynamics 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs
  - Advising II: 3 hrs

### Senior Year - Fall
- EAM 3706 Structure and Properties of Aerospace Materials 3 hrs
- EML 4312C Feedback Control 3 hrs
- EAS 4412C Interdisciplinary Design I 3 hrs
- GEP 3 hrs
- Select 1: 3 hrs
  - EAS 4700C Aerospace Design I or 3 hrs
  - EGN 4412C Interdisciplinary Design I or 3 hrs

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

### Select 1:
- EAS 4710C Aerospace Design II or 3 hrs
- EGN 4412C Interdisciplinary Design II or 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.engineering.ucf.edu/alc/academic_learning.compacts.htm

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

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### Freshman Year - Summer
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- EMA 3706 Structure and Properties of Aerospace Materials 3 hrs
- GEP 3 hrs

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

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

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

### Junior Year - Fall
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EAS 3101 Fundamentals of Aerospace Flight 3 hrs
- EAS 3800C Aerospace Engineering Measurements 3 hrs
- EAS 4200 Flight Structures 3 hrs
- 1 EAS 3530 Space Systems Concepts 3 hrs
- EAS 3990 Aerospace Career and Academic Faculty 0 hrs
  - Advising I: 3 hrs

### Junior Year - Spring
- EAS 3200C High-Speed Aerodynamics 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs
  - Advising II: 3 hrs

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

### Senior Year - Fall
- EML 4312C Feedback Control 3 hrs
- EAS 4105 Flight Mechanics 3 hrs
- EAS 4134 High-Speed Aerodynamics 3 hrs
- EAS 4991 Aerospace Career and Academic Faculty 0 hrs
  - Advising II: 3 hrs

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

### Select 1:
- EAS 4710C Aerospace Design II or 3 hrs
- EGN 4412C Interdisciplinary Design II or 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.engineering.ucf.edu/alc/academic_learning.compacts.htm

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

Anthropology (B.A.)
College of Sciences
Department of Anthropology, Philips Hall, Room: 309
http://www.cos.ucf.edu/anthropology

Dr. John Schultz, jschultz@mail.ucf.edu
407-823-2227

The Anthropology major results in broad holistic understanding of humans and the human condition, both past and present. Students study all subfields of Anthropology: Archaeology, Cultural Anthropology, Linguistics, and Physical Anthropology. Students with sufficient course background may participate in ongoing archaeological excavations associated with the Maya culture in the Central American country of Belize.

Admission Requirements
■ None

Degree Requirements
■ UCF students who change degree programs and select this major must adopt the most current catalog.
■ Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken at 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.

Statistics - Computers
Select a course from GEP C.2 list

D: Social Foundations (6 hrs)
Required ANT 2000 General Anthropology
Select from GEP D.1 list

E: Science Foundations (6 hrs)
Required ANT 2511 The Human Species
Select from GEP E.1 list

2. Common Program Prerequisites (CPP)
■ See Transfer Notes for possible substitutes
■ See “Common Prerequisites” in the Transfer and Transitions Services section

3. Core Requirements: Basic Level (6 hrs)
ANT 2000 General Anthropology
ANT 2140 Archaeology and the Rise of Human Culture
ANT 2410 Cultural Anthropology
ANT 2511 The Human Species

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

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

ANT 3311 Indians of the Southeastern United States
ANT 3312 Ethnology of North American Indians
ANT 3313 Indians of North America High Plains
ANT 3314 Indians of the Northeast Woodlands
ANT 3316 Indians of the Northeast Coast
ANT 3319 Anthropology of Diaspora
ANT 4332 People and Cultures of Latin America
ANT 3148 Life and Death in Ancient Egypt
ANT 3363 Anthropology of Japan
ANT 4144 Prehistory of North America
ANT 4153 North American Archaeology
ANT 4352 African Societies and Cultures
ANT 4354 Postcolonial Africa
ANT 4308 Gender Issues in Latin America
ANT 3164 Ancient Incas
ANT 4340 Caribbean Cultures
ANT 3160 Americas Before Columbus
ANT 3161 Archaeology of Mexico
ANT 3165 Archaeology of South America
ANT 3152 Indians of the Southwest
ANT 3344 Puerto Rican Culture
ANT 3362 Peoples of Southeast Asia

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).

7. Foreign Language Requirements
Admissions
■ None

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

6. Capstone Requirements
■ None

ANT 3949 Cooperative Education in Anthropology
ANT 4013 Anthropological Perspectives on Food
ANT 3173 Archaeology of Sex
ANT 4308 Gender Issues in Latin America
ANT 4408 Culture, Disease, and Healing
ANT 4560 Anthropological Perspectives on Human Growth

ANT 3393 American Indian Literature and Culture in Florida
ANT 3450 Living in the USA: Anthropological Perspectives

ANT 3394 Cooperative Education in Anthropology
ANT 4013 Anthropological Perspectives on Food
ANT 3173 Archaeology of Sex
ANT 4308 Gender Issues in Latin America
ANT 4408 Culture, Disease, and Healing
ANT 4560 Anthropological Perspectives on Human Growth
Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Foreign Languages and Literatures or Judaic Studies, or two semesters equivalent of American Sign Language. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A grade of “C” (2.0) or better in all courses used for the major.
- Students will be required to take a standard exit exam.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of 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
- None

Related Programs
- Social Sciences
- Sociology

Certificates
- None

Related Minors
- African American Studies
- American Studies
- Anthropology
- Anthropology in Multicultural Studies
- Asian Studies
- Judaic Studies
- Latin American Area Studies
- Sociology
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Although any ANT course satisfies the CPP, the specified courses are required in the core and must be taken regardless.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
- ANT 2410 Cultural Anthropology 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- ANT 3145 Archaeology of Complex Societies 3 hrs
- Foreign Language 4 hrs
- Restricted Elective 3 hrs
- Elective / Minor 2 hrs
- Elective / Minor 3 hrs

Junior Year - Fall
- ANT 4586 Human Origins 3 hrs
- Foreign Language 4 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 2 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Architecture (B.Des.)
College of Arts and Humanities
School of Visual Arts and Design
(This program is offered at UCF at the Valencia West Campus)
http://architecture.ucf.edu/
John Maudlin-Jeronimo, Program Director, 407-582-5419

The Bachelor of Design in Architecture was created to meet the local need in Central Florida for an architecture program. The Bachelor of Design (B.Des.) degree program is a partnership with Valencia Community College and the University of Florida, as part of a 2+2 program to enable students to complete an NAAB accredited architectural program in Central Florida.

Admission Requirements
- Completion of an Associate of Arts (A.A.) in Architecture (or similar program) that meets the common course prerequisites of the Bachelor of Design in Architecture program.
- Submission of a completed UCF application packet.
- Participate in a competitive portfolio pin-up review prior to acceptance.
- Completion of the General Education Program (GEP) at UCF or equivalent.
- UCF admission files from other transfer students will be reviewed on an individual basis to determine if prerequisites and General Education Program requirements.

Degree Requirements
- Students who change degree programs and select this major must adopt the current catalog.
- Students should consult with an architecture advisor before selecting the major, and at least annually thereafter.
UCF Degree Programs

- Students must earn at least a "C" in each required upper level course and maintain an overall GPA of at least 2.0.
- Completion of at least 120 semester hours of course work, including all required courses.

1. UCF General Education Program (GEP) (36 hrs)
- Students who have not satisfied General Education Requirements before transferring will complete the remaining courses at UCF. The specific course will depend on the general education courses completed as part of their earlier coursework. If a student has an A.A. degree from any Florida college or university, they will have satisfied the GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (6 hrs)
C: Mathematical Foundations (6 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- Completion of the A.A. in pre-Architecture from VCC or equivalent.

3. Core Requirements: Basic Level (34 hrs)
- A.A. Courses (completed in the A.A. in Architecture from VCC).
- ARC 2461 Materials and Methods of Construction and ARC 2180 Introduction to Digital Architecture are electives in VCC’s architecture program but required for the B.Des. at UCF. See courses below.

ARC 1701 History of Architecture I or equivalent 3 hrs
ARC 2702 History of Architecture II or equivalent 3 hrs
ARC 1301 Architectural Design I 4 hrs
ARC 1302 Architectural Design II 4 hrs
ARC 1201 Theory of Architecture 3 hrs
ARC 2303 Architectural Design III 5 hrs
ARC 2304 Architectural Design IV 5 hrs
ARC 2461 Materials and Methods of Construction 4 hrs
ARC 2180 Introduction to Digital Architecture 3 hrs

4. Core Requirements: Advanced Level (45 hrs)
- Completed as part of the Bachelor of Design program at UCF.

ARC 3181 Advanced Topics in Digital Architecture 3 hrs
ARC 3320L Architectural Design 5 6 hrs
ARC 3321L Architectural Design 6 6 hrs
ARC 3463 Materials and Methods of Construction 2 3 hrs
ARC 3503 Architectural Structures 3 hrs
ARC 3610 Environmental Technology 1 3 hrs
ARC 3743 Architectural History 3 3 hrs
ARC 4220 Architectural Theory 2 3 hrs
ARC 4322L Architectural Design 7 6 hrs
ARC 4323L Architectural Design 8 6 hrs
ARC 4620 Environmental Technology 2 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- None

Graduation
- None

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 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
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- Public and Professional Writing

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

Advising Notes
- None

Transfer Notes
- Students transferring from any Florida public institution with an A.A. degree or with general education program (GEP) requirements of that institution met have thereby satisfied UCF GEP requirements.

- Courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the area by the department. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable substitutes for General Education and Common Program Prerequisites will be determined by the School of Visual Arts and Design and the University.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Art - Emerging Media Track (B.F.A.)
College of Arts and Humanities
School of Visual Arts and Design
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
407-823-2676

The Emerging Media track allows students to integrate multiple domains of art, storytelling, and technology. It is designed to: Provide a solid foundation in techniques and theory in one focused area. Provide a broad understanding of related disciplines including arts, humanities, and technology. Provide extended experience in working in multidisciplinary teams on realistic problems. The program is administered through the School of Visual Arts and Design. It is recognized that there are many combinations of courses which meet the needs of individual students. Three specializations - Graphic Design, Character Animation, and Experimental Animation - lead to a Bachelor of Fine Arts degree. Note: Emerging Media majors must have continual access to a computer. Contact the UCF Computer Store or see the website (http://www.cstore.ucf.edu) for the mini-mum hardware and software specifications.

Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950-Portfolio Review before enrolling in upper division ART courses. The Spring review takes place in the first week of March. The Fall review takes place in the first week of October.
- Students unable to satisfactorily complete ART 3950-Portfolio Review, may continue in the Art History or the Visual Art and Emerging Media Management tracks.
UCF Degree Programs

Students may apply to the BFA Program as early as the first semester of their Junior year. If they have a 3.0 overall average in ART courses, they are automatically accepted. Students who do not meet these requirements may petition the BFA committee for acceptance.

“D” grades from other institutions do not meet departmental requirements.

Note: Individual portfolio reviews are not possible due to the large number of applicants.

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of specialization.

Students must earn at least a “C” (2.0) in each required course, except DIG 2000 as noted.

Co-op or internship credits are not permitted in this major without prior written permission.

Students should consult with a school advisor prior to selecting a specialization and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)

   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (7 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (4 hrs)

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

   ART 2201C Art as Interface
   ART 2202C Design Fundamentals-Two Dimensional
   ART 2300C Drawing Fundamentals I
   ART 2301C Drawing Fundamentals II
   ARH 2050 History of Western Art I
   ARH 2051 History of Western Art II
   GRA 2010 Introduction to Computer Art
   MAC 1105C College Algebra
   COP 2500C Concepts in Computer Science

3. Core Requirements: Basic Level (18 hrs)

   ART 2000C Introduction to Digital Media
   Dig 2000C Digital Video Fundamentals
   Dig 2010C Digital Imaging Fundamentals
   Dig 2050C Fundamentals of Interactive Design
   Dig 2400C Character Animation Core - 15 hours
   Dig 2500C Digital Media Production I
   Dig 2450C Computer as a Medium
   Dig 2470C Networking and Realtime Systems

4. Core Requirements: Advanced Level (12 hrs)

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

5. Restricted Electives (39 hrs)

   Specializations

   Graphic Design
   
   Graphic Design Basic Concentration - 18 hours
   GRA 3120C Intermediate Graphic Design I
   GRA 3112C Intermediate Graphic Design II
   GRA 3800C Intermediate Computer Graphic Design
   GRA 4198C Advanced Graphic Design
   GRA 4197C Special Problems in Graphic Design
   GRA 3202C Type & Design

   Character Animation (39 hrs)
   
   Character Animation Core - 15 hours
   ART 3643C Digital Effects & Compositing
   Dig 4325C Look Modeling Workshop
   Dig 4326C Geometrical Modeling Workshop
   Fil 3720C Introduction to Animation
   Fil 3734C Intermediate Animation
   Dig 4206C New Imagery in Motion Workshop
   Dig 4394C Motion Graphics: Advanced Compositing
   Dig 4434C Narrative Techniques in the Moving Image
   Dig 4486C Visual Language of Moving Image II
   Dig 4451C Visual Storytelling and Visual Development Workshop

   Experimental Animation (39 hrs)
   
   Experimental Animation Core - 15 hours
   ART 3643C Digital Effects & Compositing
   Dig 4325C Look Modeling Workshop
   Dig 4326C Geometrical Modeling Workshop
   Fil 3720C Introduction to Animation
   Fil 3734C Intermediate Animation
   Dig 4355C Artifical Environments and Effects
   Dig 4343C Visual Storytelling and Visual Development
   Dig 4359C Artificial Environments and Effects Workshop
   Fil 4735C Advanced Animation
   Fil 4750C Animation Workshop

   Experimental Animation Restricted Electives - 18 hours
   Complete 18 hours of credits from the following areas: 18-18 hours required outside the specialization area from 3000 or 4000 ART, ARH, GRA, Dig courses or any 3000 or 4000 level courses approved by the School

6. Capstone Requirements

   None

7. Additional Requirements

   None

8. Electives

   None

9. Departmental Exit Requirements

   None

10. University Minimum Exit Requirements

    A 2.0 UCF GPA
    60 semester hours earned after CLEP awarded
    48 semester hours of upper division credit completed
    30 of the last 39 hours of course work must be completed in residency at UCF
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 124
UCF Degree Programs

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)
  Required ARH 2050 History of Western Art I 3 hrs
  Required ARH 2051 History of Western Art II 3 hrs
  Select a course from 1.B.1 list 3 hrs

C: Mathematical Foundations (6 hrs)
  Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  1 Prefer MGF 1106 Finite Mathematics 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)
  See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)
  ARH 2500 History of Non-Western Art 3 hrs

4. Core Requirements: Advanced Level (15 hrs)
  ARH 4310 Italian Renaissance Art 3 hrs
  ARH 4430 19th Century Art 3 hrs
  ARH 4450 20th Century Art 3 hrs
  ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
  ENC 3311 Advanced Expository Writing 3 hrs

5. Restricted Electives (24 hrs)
  Select one Non-Western Art History course from the following:

    ARH 4540 Art of India 3 hrs
    ARH 4653 Meso American Art 3 hrs
    ARH 3520 African Art 3 hrs

    One of the following courses: 3 hrs
    ARH 4200 Medieval Art 3 hrs
    ARH 4350 Baroque Art 3 hrs
    ARH 4871 Women in Art 3 hrs

    Select 18 additional hours from the following: 18 hrs
    ARH 3471 Art in the Last 25 Years 3 hrs
    ARH 3520 African Art 3 hrs
    ARH 3610 American Art 3 hrs
    ARH 3710 History of Photography 3 hrs
    ARH 3713 20th Century Photographic History 3 hrs
    ARH 3720 History of Prints 3 hrs
    ARH 4350 Baroque Art 3 hrs
    ARH 4653 Meso American Art 3 hrs
    ARH 4871 Women in Art 3 hrs
    ARH 5897 Advanced Seminar in Art History 3 hrs
    ARH 4150 Roman Art and Architecture 3 hrs
    ARH 4200 Medieval Art 3 hrs
    ARH 4352 Italian Baroque Art 3 hrs
    ARH 3728 History of Illustration 3 hrs
    ARH 3XXX-4XXX Additional Art History course 3 hrs

6. Capstone Requirements
  None

7. Foreign Language Requirements

Admissions
  None

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

8. Electives
  Select primarily from upper level courses after meeting with a school advisor. Courses may be outside the department.

9. Additional Requirements
  None

10. Required Minors
    None

Honors In Major
  None

Related Programs
  ■ Computer Science
  ■ English - Technical Communication
  ■ Film
  ■ Music

Certificates
  ■ 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.oead.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
  ■ Part-Time Student: $31.50 per term
  ■ Full-Time Student: $63.00 per term

Art - History Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.ucf.edu/
Margaret Zaho
407-823-2676

The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

Admission Requirements
  ■ None

Degree Requirements
  ■ Students who change degree programs and select this major must adopt the most current catalog.
  ■ Grades below “C” (2.0) in lower level courses do not satisfy major requirements.
  ■ Co-op credit cannot be used in the major.
  ■ Students should consult with a school art history advisor.
  ■ Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Visual Arts and Design. Nine of these must be in an area of ARH specialization.
  ■ Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
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:
  - STA 1000C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs
  - ARH 3820 Visual Arts Administration Vitas 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- A maximum of 45 hours of extension, correspondence, CLEP, Credit
  by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the
  CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

- None

Related Programs

- Art - 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

- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Fall 15 hrs

- COM 1000 Introduction to Communication 3 hrs
- POS 2041 American National Government 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs

Sophomore Year - Spring 15 hrs

- ANT 2000 General Anthropology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- ARH 4540 Art of India 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Junior Year - Fall 15 hrs

- ARH 4310 Italian Renaissance Art 3 hrs
- ARH 4450 20th Century Art 3 hrs
- ARH 3710 History of Photography I 3 hrs
- ARH 4653 Meso American Art 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs

Junior Year - Spring 15 hrs

- ARH 4430 19th Century Art 3 hrs
- ARH 4800 Theory and Criticism of the Visual Arts 3 hrs
- ARH 3711 History of Photography II 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- Restricted Elective 3 hrs
- ARH 3713 20th Century Photographic History 3 hrs

Senior Year - Fall 15 hrs

- ARH 4350 Baroque Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

Senior Year - Spring 15 hrs

- ARH 4170 Greek & Roman Art 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ARH 4XXX 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.osas.ucf.edu/oa/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $31.50 per term
- Full-Time Student: $63 per term

Art - Studio Art Track (B.F.A.)

College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building,
Room: 117
http://www.svad.ucf.edu
E-mail: svad@mail.ucf.edu
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 require-
  ments.
- 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 semes-
  ters 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:

Required  ARH 2050 History of Western Art I and 3 hrs
Required  ARH 2051 History of Western Art II 3 hrs
Select a course from group B.1

C. Mathematical Foundations (6 hrs)

Select 1:

Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
1 Prefer MGF 1107 Explorations in Mathematics 3 hrs

(may substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

ART 2201C Design Fundamentals-Two Dimensional 3 hrs
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
ARH 2050 History of Western Art I GEP 3 hrs
ARH 2051 History of Western Art II GEP 3 hrs
1 GRA Introduction to Computer Art 3 hrs

2101C

Any ART prefix, studio, or media courses at the 2000-4000 levels
See “Common Prerequisites” in the Transfer and Transitions Services section for more information

1 *See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level (6 hrs)

ARH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs
GRA 2101C Introduction to Computer Art CPP 3 hrs

4. Core Requirements: Advanced Level (0 hrs)

ART 3950 Portfolio Review

5. Restricted Electives (42 hrs)

a. Specialization: 18 hrs

Select six upper division courses from one area: (classes with an asterisk my be repeated for credit)

Book Arts
ART 3176C The Illuminated Book or 3 hrs
ART 3175C Advanced Issues in Contemporary Book Arts or 3 hrs
ART 3170C Book Binding or 3 hrs
ART 3171C Materials for Artist Books or 3 hrs
ART 3737C Narrative Sculpture or 3 hrs
ART 4172C Book Repair and Restoration or 3 hrs
ART 4644C Books Without Books or 3 hrs
ART 4177C Commercial Book Design and Publishing or 3 hrs
ART 4173C The Artist Book or 3 hrs
ART 4174C The Printed Book 3 hrs

Ceramics
ART 3761C Intermediate Ceramics or 3 hrs
ART 3764C Ceramic Handbuilding I or 3 hrs
1 ART 4763C Advanced Ceramics 3 hrs

Drawing
ART 3322C Intermediate Drawing or 3 hrs
1 ART 4320C Advanced Drawing 3 hrs

Drawing/Printmaking Combination
ART 3322C Intermediate Drawing or 3 hrs
1 ART 4320C Advanced Drawing or 3 hrs
ART 3433C Screenprinting or 3 hrs
1 ART 4402C Advanced Printmaking 3 hrs

Drawing/Illustration Combination
ART 3322C Intermediate Drawing or 3 hrs
1 ART 4320C Advanced Drawing or 3 hrs
GRA 3747 Intermediate Illustration I or 3 hrs
1 GRA 4194C Advanced Illustration 3 hrs

Painting
ART 3504C Intermediate Painting or 3 hrs
1 ART 4505C Advanced Painting 3 hrs

Photography
PGY 3410C Intermediate Photography or 3 hrs
1 PGY 4420C Advanced Photography or 3 hrs
PGY 4440C Special Problems in Photography 3 hrs

Sculpture
1 ART 4710C Advanced Sculpture 3 hrs

1 May be repeated for credit.

b. Electives in Art: 15 hrs

Select five Art courses; two of which may be lower division. Select from at least three of the following areas, excluding the area of specialization.

- Book Arts, Ceramics, Drawing, Illustration, Painting, Photography, Printmaking, Sculpture, and Special Topics Studio Courses.

- Select three upper division Art History courses or Select one upper division course in Art History or Humanities or A maximum of six hours of Independent Study, Practicum, and Internship are permitted.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

- Met by graduation requirement

Graduation

- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for languages may be used to meet the requirement.

8. Electives

Select primarily from upper level courses, with school advisor’s approval. May be outside of the department.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements (3 hrs)

- ART 4935 BFA Exhibit/Seminar required.
- (BFA Exhibit Seminar is only offered during Spring Semester)
- Achieve at least a “B” GPA (3.0) overall in courses within the major.
- Each senior is required to submit a portfolio of representative work in the student’s specialization, for review and approval by faculty, during their last semester of matriculation toward the degree.
- Computer Competency met by STA 1060C or GRA 2101C.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

None

Related Programs

- Art - History Track
- Art Education
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

Certificates

None

Related Minors

- Community Arts - PAVE

Advising Notes

None
### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

### Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - GRA 2101C: A student may substitute any three hour digital art course; however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

### Plan of Study
- None

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oes.ucf.edu/alc/academic_learning_compacts.htm](http://www.oes.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

### Art - Studio Track (B.A.)

#### College of Arts and Humanities

**School of Visual Arts and Design, Visual Arts Building, Room: 117**

[http://www.svad.ucf.edu](http://www.svad.ucf.edu)

E-mail: svad@mail.ucf.edu

Donna Mercado, 407-823-1708

Note: Although the School maintains a computer lab for student use, students must have continual access to a lap top computer. Contact the School for the minimum hardware and software specifications. The School affirms that a theoretical and working understanding of the historical meanings and studio applications of the human image are critical in the education of Visual Art and Art History students. To develop such an understanding, Art courses often utilize images of clothed and unclothed human figures and, in certain studio classes, live nude models.

### Admission Requirements
- All junior level students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses. The Spring review takes place the first week of March. The Fall review takes place the first week of October.

### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below "C" (2.0) in lower level ART and ARH courses do not satisfy major requirements.
- Co-op credit cannot be used in the major.
- Students should consult with a school advisor in their specialization.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the School of Visual Art and Design. Nine of these hours must be in an area of specialization.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2050</td>
</tr>
<tr>
<td>Required</td>
<td>ARH 2051</td>
</tr>
<tr>
<td>Select a course from 1.B.1 List</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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

| ART 2201C | Design Fundamentals-Two Dimensional |
| ART 2203C | Design Fundamentals-Three Dimensional |
| ART 2300C | Drawing Fundamentals I |
| ART 2301C | Drawing Fundamentals II |
| ARH 2500 | History of Western Art I |
| ARH 2501 | History of Western Art II |
| GRA 2101C | Introduction to Computer Art |
| Any ART 2XXX-4XXX | studio or media course. |

3. **Core Requirements: Basic Level** (6 hrs)

| ART 2823 | Art as Interface |
| ARH 2500 | History of Non-Western Art |
| ART 3950 | Portfolio Review |

4. **Core Requirements: Advanced Level**

- None

5. **Restricted Electives** (27 hrs)

- Select nine upper division courses in three areas:
  - **Art History**
    - Any upper level ARH course
  - **Book Arts**
    - ART 3170C | Book Binding |
    - ART 3171C | Materials for Artist Books |
    - ART 3175C | Advanced Issues in Contemporary Book Arts |
    - ART 3176C | The Illuminated Book |
    - ART 3178C | Narrative Sculpture |
    - ART 3179C | Book Repair and Restoration |
    - ART 3177C | The Artist Book |
    - ART 3178C | The Printed Book |
    - ART 3179C | Commercial Book Design and Publishing |
    - ART 3184C | Books Without Books |

6. **Capstone Requirements**

- None

7. **Foreign Language Requirements**

- Met by graduation requirement.
UCF Degree Programs

Graduation
- Proficiency equivalent to one year of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

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:
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
  - GRA 2101C Introduction to Computer Art 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- None

Related Programs
- Art Education
- Art - Emerging Media Track
- Art - Visual Arts and Emerging Media Management Track

Certificates
- None

Related Minors
- Digital Media

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
For common program prerequisites if taken.
- GRA 2101C Introduction to Computer Art 3 hrs
  - may be substituted with:

Plan of Study

Freshman Year - Fall
- ARH 2050 History of Western Art I 3 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- ART 2823 Art as Interface 3 hrs

Freshman Year - Spring
- ARH 2051 History of Western Art II 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- ART 2201C Design Fundamentals-Two Dimensional 3 hrs
- Restricted Elective 3 hrs

Sophomore Year - Fall
- COM 1000 Introduction to Communication 3 hrs
- POS 2041 American National Government 3 hrs
- ART 2203C Design Fundamentals-Three Dimensional 3 hrs
- ART 2300C Drawing Fundamentals I 3 hrs
- GRA 2101C Introduction to Computer Art 3 hrs

Sophomore Year - Spring
- ANT 2000 General Anthropology 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- ART 2301C Drawing Fundamentals II 3 hrs
- ARH 2500 History of Non-Western Art 3 hrs
- ART 3950 Portfolio Review 0 hrs

Junior Year - Fall
- ART 3332C Intermediate Drawing 3 hrs
- GRA 3747 Intermediate Illustration I 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- ART 3950 Portfolio Review 0 hrs
- ART 4320C Advanced Drawing 3 hrs
- ART 4320C Advanced Photography 3 hrs
- PGY 3410C Intermediate Photography 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- ARH 4430 19th Century Art 3 hrs
- ART 4320C Advanced Drawing 3 hrs
- PGY 4420C Advanced Photography 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- ARH 4430 19th Century Art 3 hrs
- GRA 4154C Advanced Illustration 3 hrs
- PGY 4420C Advanced Photography 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $31.50 per term
- Full-Time Student: $63.00 per term

Art - Visual Arts and Emerging Media Management Track (B.A.)
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu
407-823-2676

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.
Select 2: 6 hrs
Aesthetics and Theory 6 hrs

Select 1: 3 hrs
Written Communication 3 hrs

5. Restricted Electives (21 hrs)

Select restricted electives as required from each of these four areas:

Aesthetics and Theory 6 hrs

Select 2: 6 hrs
ARH 4450 20th Century Art or 3 hrs
ARH 3471 Art in the Last 25 Years or 3 hrs
ARH 3710 History of Photography I or 3 hrs
ARH 3711 History of Photography II or 3 hrs
ARH 3720 History of Prints or 3 hrs
ARH 4800 Theory and Criticism of the Visual Arts or 3 hrs
PHT 3000 Aesthetics or 3 hrs
FIL 3041 History of Animated Films I or 3 hrs
FIL 4042 History of Animated Films II or 3 hrs

Written Communication 3 hrs
Select 1: 3 hrs
DIG 3024 Digital Cultures & Narrative or 3 hrs
ENC 3241 Writing for the Technical Professional or 3 hrs
ENC 3250 Professional Writing or 3 hrs
ENC 3311 Advanced Expository Writing 3 hrs

Information Management 6 hrs
Select 2: 6 hrs
DIG 3525 Digital Media Production I or 3 hrs
DIG 3400C Computer as a Medium or 3 hrs
DIG 3563 Information Management and Entrepreneurship or 3 hrs
DIG 3716C Internet Interaction or 3 hrs
DIG 4630C Media Business Practices or 3 hrs
DIG 5665C Digital Asset Management Systems 3 hrs

1 These courses may also be applied toward an 18 credit Minor in Technical Entrepreneurship.
UCF Degree Programs

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF.
- GRA 2101C: may substitute 3 hours of any digital art course, however, GRA 2101C is a prerequisite for subsequent art courses and will need to be taken for the major.

Plan of Study

Freshman Year - Fall 15 hrs
ARH 2050 History of Western Art I 3 hrs
ENC 1101 Composition I 3 hrs
1 HUM 2210 Humanistic Tradition I 3 hrs
2 MGF 1106 Finite Mathematics 3 hrs
ART 2823 Art as Interface 3 hrs
1 req #1B1-GEP
2 req #1C1-GEP

Junior Year - Fall 15 hrs
2 req #1E2-GEP
1 req #1E1-GEP
ARTH 2500 History of Non-Western Art 3 hrs
ART 2823 Art as Interface 3 hrs
1 req #Lang/Elect
2 Check restrictions

Sophomore Year - Spring 15 hrs
1 COM 1000 Introduction to Communication 3 hrs
2 POS 2041 American National Government 3 hrs
ART 2203C Design Fundamentals-Three Dimensional 3 hrs
ART 2300C Drawing Fundamentals II 3 hrs
GRA 2101C Introduction to Computer Art 3 hrs
1 req #1A3-GEP
2 req #1D1-GEP

Sophomore Year - Fall 15 hrs
1 ANT 2000 General Anthropology 3 hrs
2 BSC 1005 Biological Principles 3 hrs
3 CHM 1020 Concepts in Chemistry 3 hrs
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ARH 2500 History of Non-Western Art 3 hrs
ART 3950 Portfolio Review 0 hrs
1 req #1D2-GEP
2 req #1E2-GEP
3 req #1E1-GEP

Junior Year - Spring 16 hrs
1 SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
2 Restricted Elective 3 hrs
3 Supporting Elective 1 hr
3 Supporting Elective 3 hrs
1 req #Lang/Elect
2 req #5
1 Check restrictions

Junior Year - Fall 15 hrs
1 Restricted Elective 3 hrs
1 Restricted Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs
1 req #5
2 Check restrictions

Senior Year - Spring 15 hrs
1 Restricted Elective 3 hrs
1 Restricted Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs
2 Supporting Elective 3 hrs
1 req #5
2 Check restrictions

Art Education (B.S.)
College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209

http://education.ucf.edu/arted

Dr. Thomas Brewer, ED 122U, tbrewer@mail.ucf.edu, 407-823-3714
Dr. Janet Andreassen, ED 123Q, 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)
- Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
- Required ARH 2050 History of Western Art I 3 hrs
- A grade of “C-” (1.75) or better is required

C: Mathematical Foundations (6 hrs)
- Preferred MGF 1106 Finite Mathematics 3 hrs

Select 1: (3 hrs)
- 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 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Preferred 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 EDF 2005 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>

*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)

**Education Core Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2051 History of Western Art II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2201C Design Fundamentals-Two Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2203C Design Fundamentals-Three Dimensional</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2300C Drawing Fundamentals I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2301C Drawing Fundamentals II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEA 2101C Introduction to Computer Art</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2754C Beginning Ceramics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2500C Beginning Painting</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ART 2400C Beginning Printmaking</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PGY 2401C Beginning Photography</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Internship I** 3 hrs

- Prior to Internship I, the student must have completed EDF 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: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalxp/](http://www.education.ucf.edu/clinicalxp/)
- All art courses and all methods courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalxp/](http://www.education.ucf.edu/clinicalxp/)
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education rule 6A-5.066.
- ARE 4941 Internship 12 hrs

### 4. Core Requirements: Advanced Level (30 hrs)

**Education Core Requirements** 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 4467 Learning Theory and Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>TSL 4080 Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043 Content Reading Kindergarten through Grade 12</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (9 hrs)

- Any 3000 or 4000 level ART, ARE, ARH, PGY (with advisor’s approval)

### 6. Capstone Requirements (12 hrs)

- Passing score on the Subject Area Examination (Art K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

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**Program of Study**

The program of study will be affected by course offerings and availability. Please see the Art Education website at [http://education.ucf.edu/arted/](http://education.ucf.edu/arted/) for the advising policy.

**Freshman Year - Fall** 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 2010 U.S. History: 1492-1877</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ARH 2050 History of Western Art I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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**UCF Degree Programs**

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**Undergraduate Catalog 2011-2012**

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**UNIVERSITY OF CENTRAL FLORIDA**

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126
Freshman Year - Spring  
AMH 2020  U.S. History: 1877-Present  3 hrs  
ARH 2051  History of Western Art II  3 hrs  
ENC 1102  Composition II  3 hrs  
ART 2201C  Design Fundamentals-Two Dimensional  3 hrs  

Freshman Year - Summer  
SPC 1008  Fundamentals of Oral Communication  3 hrs  
PSC 1121  Physical Science  3 hrs  

Sophomore Year - Fall  
ART 2203C  Design Fundamentals-Three Dimensional  3 hrs  
STA 1005  Principles of Statistics  3 hrs  
BSC 1005  Biological Principles  3 hrs  
EDF 2005  Introduction to the Teaching Profession  3 hrs  

Select 1:  
STA 2014C  Principles of Statistics or  3 hrs  
STA 1060C  Basic Statistics Using Microsoft Excel  3 hrs  

Sophomore Year - Spring  
ART 2400C  Beginning Printmaking I  3 hrs  
ART 2300C  Drawing Fundamentals I  3 hrs  
EDF 2085  Introduction to Diversity for Educators  3 hrs  
EME 2040  Introduction to Technology for Educators  3 hrs  
PSC 1041  American National Government  3 hrs  

Sophomore Year - Summer  
GRA 2101C  Introduction to Computer Art  3 hrs  
PGY 2401C  Beginning Photography  3 hrs  

Junior Year - Fall  
ARE 4356  Teaching Art Appreciation & Criticism in the Classroom  3 hrs  
ART 2301C  Drawing Fundamentals II  3 hrs  
EDG 4467  Learning Theory and Assessment  3 hrs  
EDG 4410  Teaching Strategies and Classroom Management  3 hrs  
TSL 4080  Theory and Practice of Teaching ESL  3 hrs  

Junior Year - Spring  
ARE 4352  Teaching Art in the Secondary School  3 hrs  
ART 2500C  Beginning Painting  3 hrs  
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs  
ARE 4250  Art for Exceptionalities  3 hrs  
Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs  

Junior Year - Summer  
ART 2754C  Beginning Ceramics  3 hrs  
Restricted Elective (Any ARE/ARH/ART/PGY 3/4XXX w/ Advisor approval)  3 hrs  

Senior Year - Fall  
ARE 4351  Teaching Art in the Elementary School  3 hrs  
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs  
ARE 3940  Internship  3 hrs  
Restricted Electives (Any ART/ARH/ARE/PGY 3/4XXX w/ Advisor approval)  3 hrs  

Senior Year - Spring  
ARE 4941  Internship  12 hrs  

Program Academic Learning Compacts  
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
http://www.oead.ucf.edu/aic/academic_learning_compacts.htm  

Athletic Training (B.S.)  
College of Health and Public Affairs  
Department of Health and Public Affairs II, Room: 208  
http://www.coepa.ucf.edu/health_pro/athletic_training.shtml  
E-mail: atinfo@mail.ucf.edu  
Kristen C. Schellhase  
407-823-2747  

Admission Requirements  
- Students may only begin the athletic training program track in the Summer B semester and must have:  
- A separate application to this competitive restricted access program must be made to the Program in Athletic Training by March 1st.  
- Acceptance into the university for the summer semester is necessary before acceptance into the Program in Athletic Training can occur.  
- Acceptance into the University does not constitute admission into the Program in Athletic Training.  
- A minimum of 2.75 overall grade point average and a minimum grade of “C” (2.0) in program prerequisites.  
- Completion of an AA degree from a Florida Community College or completion of UCF’s General Education Program.  
- This program is work-intensive and courses include clinical practice in a variety of settings. Due to this intensity, it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.  
- Consent of Program Director.  
- A minimum of 100 documented clock hours working, volunteering, or shadowing with a licensed certified athletic trainer (ATC) prior to application. At least 50 of these hours must be obtained within a traditional athletic training setting (high school, college, professional).  

Technical Standards Requirement  
- The Program in Athletic Training at University of Central Florida is 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 BOE 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 Athletic Training pending 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)
- Required: STA 2023 Statistical Methods I (3 hrs)
- Required: MAC 1114 College Trigonometry (3 hrs)

D: Social Foundations (6 hrs)
- Suggested: POS 2041 American National Government (3 hrs)
- Required: PSY 2012 General Psychology (3 hrs)

E: Science Foundations (8 hrs)
- Required: BSC 2010C Biology I (4 hrs)
- Suggested: CHM 2045C Chemistry Fundamentals I (4 hrs)

2. Common Program Prerequisites (CPP) (15 hrs)
- The following courses are required before entering the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

BSC 2010C Biology I (4 hrs) GEP
ZOO 3733C Human Anatomy (4 hrs)
PCB 3713C Human Physiology (4 hrs)
HUN 2002 Modern Concepts in Nutrition (3 hrs)
STA 2023 Statistical Methods I (4 hrs) GEP
PSY 2012 General Psychology (4 hrs) GEP

Select 1:
- One of the following courses must be taken as a prerequisite or corequisite to come from:
  - PHY 2053C College Physics I or
  - PHY 2048C Physics for Engineers & Scientists I (4 hrs)

3. Core Requirements: Advanced Level (62 hrs)

Professional Phase
- The following courses are required to complete the professional phase of the Program in Athletic Training. Each of the required courses must have a grade of “C” (2.0) or better.
  - ATR 4014C Introduction to Athletic Training (3 hrs)
  - ATR 3102 Principles of Athletic Training (3 hrs)
  - ATR 3012C Clinical Skills for Athletic Trainers I (2 hrs)
  - ATR 3812L Practicum in Athletic Training I (4 hrs)
  - HSC 3147 Introduction to Pharmacology (3 hrs)
  - ATR 3212C Recognition and Evaluation of Athletic Injuries I (3 hrs)
  - PET 4315C Biomechanics of Sport (3 hrs)
  - ATR 3822L Practicum in Athletic Training II (4 hrs)
  - ATR 4213C Recognition and Evaluation of Athletic Injuries II (3 hrs)
  - ATR 3013C Clinical Skills for Athletic Training II (2 hrs)
  - ATR 4313C Therapeutic Exercise in Athletic Training (4 hrs)
  - ATR 4322C Therapeutic Modalities in Athletic Training (4 hrs)
  - ATR 4512C Organization and Administration of Athletic Training (3 hrs)
  - PET 3510C Physiologic & Metabolic Basis of Human Movement & Performance (3 hrs)
  - ATR 4315C Advanced Rehabilitation in Athletic Training (3 hrs)
  - ATR 4832L Practicum in Athletic Training III (4 hrs)
  - PET 4606 Applied Fitness in Sport (3 hrs)
  - ATR 4842L Practicum in Athletic Training IV (4 hrs)
  - ATR 4103 Sports Medicine Field Application (3 hrs)
  - ATR 4933 Athletic Training Seminar (1 hr)

5. Restricted Electives
- None
6. Capstone Requirements
- None
7. Foreign Language Requirements
- None
8. Electives
- Suggested electives relate to Health Sciences, Business, Education, Health Services Administration, Health Informatics and Information Management, Psychology, and Sport & Fitness
9. Additional Requirements
- 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, and the required hours of upper division credit and the required minimum GPA.
UCF Degree Programs

Honors In Major
- None

Related Programs
- Sport and Exercise Science
- Health Services Administration
- Health Informatics and Information Management
- Health Sciences - Pre-Clinical Track

Certificates
- None

Related Minors
- Courses leading to a teaching certificate (education) are also appropriate.
- Electives in advanced scientific, clinical or quantitative subjects are also advisable.
- Business
- Aging Studies
- Biology
- Coaching
- Fitness Training
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- Public Administration
- Education
- Sport Business Management

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition</td>
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<tr>
<td>PSY 2012</td>
<td>General Psychology</td>
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</tr>
<tr>
<td>HSC 2000</td>
<td>Introduction to the Allied Health</td>
<td>2</td>
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<tr>
<td>MAC 1105C</td>
<td>College Algebra</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
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Freshman Year - Spring

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<tr>
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<td>Composition II</td>
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<tr>
<td>POS 2041</td>
<td>American National Government</td>
<td>3</td>
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<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 1114</td>
<td>College Trigonometry</td>
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Sophomore Year - Fall

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<th>Course Title</th>
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<tbody>
<tr>
<td>PHY 2053C</td>
<td>College Physics I</td>
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</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>3</td>
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Select 1:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EUH 2000</td>
<td>Western Civilization I or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I or</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2010</td>
<td>U.S. History: 1492-1877 or</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2012</td>
<td>World Civilization I</td>
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Sophomore Year - Spring

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<td>Modern Concepts in Nutrition</td>
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<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
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Select 1:

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<th>Hours</th>
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<td>Enjoyment of Music or</td>
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<td>REL 2300</td>
<td>World Religions or</td>
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<td>THE 2000</td>
<td>Theatre Survey or</td>
<td>3</td>
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<tr>
<td>PHI 2010</td>
<td>Introduction to Philosophy</td>
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Select 1:

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<tbody>
<tr>
<td>EUH 2001</td>
<td>Western Civilization II or</td>
<td>3</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II or</td>
<td>3</td>
</tr>
<tr>
<td>AMH 2020</td>
<td>U.S. History: 1877-Present or</td>
<td>3</td>
</tr>
<tr>
<td>WOH 2022</td>
<td>World Civilization II</td>
<td>3</td>
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Sophomore Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>ATR 4014C</td>
<td>Introduction to Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATR 3102</td>
<td>Principles of Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>1 Foreign Language</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

1 If not satisfied in high school

Junior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 3812L</td>
<td>Practicum in Athletic Training I</td>
<td>4</td>
</tr>
<tr>
<td>ATR 3012C</td>
<td>Clinical Skills for Athletic Trainers I</td>
<td>2</td>
</tr>
<tr>
<td>HSC 3147</td>
<td>Introduction to Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>ATR 3212C</td>
<td>Recognition and Evaluation of Athletic Injuries I</td>
<td>3</td>
</tr>
<tr>
<td>1 Free Elective</td>
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</table>

1 As needed to meet 120 hrs of university exit requirements.

Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PET 4315C</td>
<td>Biomechanics of Sport</td>
<td>3</td>
</tr>
<tr>
<td>ATR 3822L</td>
<td>Practicum in Athletic Training II</td>
<td>4</td>
</tr>
<tr>
<td>ATR 4213C</td>
<td>Recognition and Evaluation of Athletic Injuries II</td>
<td>3</td>
</tr>
<tr>
<td>ATR 3013C</td>
<td>Clinical Skills for Athletic Training II</td>
<td>2</td>
</tr>
<tr>
<td>1 Free Elective</td>
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1 As needed to meet 120 hrs of university exit requirements.

Senior Year - Summer

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ATR 4315C</td>
<td>Therapeutic Exercise in Athletic Training</td>
<td>4</td>
</tr>
<tr>
<td>ATR 4302C</td>
<td>Therapeutic Modalities in Athletic Training</td>
<td>4</td>
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</table>

Senior Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4512C</td>
<td>Organization and Administration of Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>PET 3510C</td>
<td>Physiologic &amp; Metabolic Basis of Human Movement &amp; Performance</td>
<td>3</td>
</tr>
<tr>
<td>ATR 4315C</td>
<td>Advanced Rehabilitation in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>ATR 4832L</td>
<td>Practicum in Athletic Training III</td>
<td>4</td>
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</table>

Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR 4933</td>
<td>Athletic Training Seminar</td>
<td>1</td>
</tr>
<tr>
<td>PET 4606</td>
<td>Applied Fitness in Sport</td>
<td>3</td>
</tr>
<tr>
<td>ATR 4842L</td>
<td>Practicum in Athletic Training IV</td>
<td>4</td>
</tr>
<tr>
<td>ATR 4103</td>
<td>Sports Medicine Field Application</td>
<td>3</td>
</tr>
<tr>
<td>1 Free Elective</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

1 As needed to meet 120 hrs of departmental exit requirements.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

<table>
<thead>
<tr>
<th>Package</th>
<th>Full-Time Student</th>
<th>Part-Time Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fee</td>
<td>$15.00 per term</td>
<td>$7.50 per term</td>
</tr>
<tr>
<td>Fee</td>
<td></td>
<td>$10.00 per term</td>
</tr>
</tbody>
</table>

Biology (B.S.)

College of Sciences

Department of Biology, BL, Room: 301
http://www.cos.ucf.edu/biology

E-mail: biology@ucf.edu

Frank Logiudice
407-823-2141

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- No credit by exam (TSD, Military credit) may be used for the major.
- Co-op or internship credit cannot be used in this major
- Departmental Residency Requirement consists of at least 22 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Biology Department.
- Students seeking a double major must satisfy the requirements for both majors and must take no fewer than 40 semester hours of upper division restricted elective course work appropriate to the combined areas of specialization in the two majors.
Select one of the following sequences of courses:

- NOTE: These courses are considered to be equivalents:
  - CHM 2045C Chemistry Fundamentals I
  - GEP
  or
  - CHM 2040 Chemistry Fundamentals IA
  - GEP
  - CHM 2041 Chemistry Fundamentals IB
  - GEP

Complete one entire physics sequence:

- PHY 2049C Physics for Engineers & Scientists I and
  - 4 hrs
  or
  - PHY 2049C Physics for Engineers & Scientists II
  - 4 hrs
  or
  - PHY 2053C College Physics I
  - 4 hrs
  - PHY 2054C College Physics II
  - 4 hrs

3. Core Requirements: Basic Level (8 hrs)

- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses.
- Students are urged to consult their departmental advisor.

Complete one entire chemistry sequence:

- 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

4. Core Requirements: Advanced Level (13 hrs)

- Students planning on entering professional or graduate school should take Biochemistry as well as additional Calculus courses.

5. Restricted Electives (22 hrs)

- Courses must be selected from the groupings listed below.
- Students must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department. Courses offered by the Department of Biology have been identified. Additional courses may be used to meet a group requirement with approval of the undergraduate program coordinator via petition.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Courses at the 5000 level are only open to seniors and beginning graduate students.

Form/Function

Complete a minimum of one lecture course from this group:

- BCH 4053 Biochemistry I or
  - 3 hrs
- BCH 4054 Biochemistry II or
  - 3 hrs
- 1 BOT 4223C Plant Anatomy or
  - 4 hrs
- 1 BOT 4303C Plant Physiology or
  - 5 hrs
- 1 BOT 4503 Plant Physiology or
  - 5 hrs
- 2 BSC 4101 History of Biology or
  - 3 hrs
- 3 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
- 2 PCB 4524 Molecular Biology II or
  - 3 hrs
- 2 PCB 4678 Evolution and Medicine or
  - 3 hrs
- 2 PCB 4683 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
- 3 ZOO 3713C Comparative Vertebrate Anatomy or
  - 5 hrs
UCF Degree Programs

ZOO 3733C Human Anatomy or  
ZOO 4603C Embryology/Development or  
ZOO 4753C Vertebrate Histology  

1. Fulfills Botany requirement. Offered in Biology department.  
2. Offered in Biology department.  
3. Fulfills Zoology requirement. Offered in Biology department.

Environmental  
Complete a minimum of one lecture course from this group.  

- BOT 3018C Culinary Botany Across the Cultures or 3 hrs  
- BOT 3152C Local Flora or 3 hrs  
- BOT 3802 Ethnobotany or 3 hrs  
- BOT 4156C Florida Wildflowers or 4 hrs  
- BOT 4686C Conservation and Management of Native Plants or 4 hrs  
- BOT 4850 Medicinal Botany or 3 hrs  
- BSC 4312C Marine Biology or 4 hrs  
- BSC 4330 Invasion Biology or 3 hrs  
- BSC 5288L Tropical Biology Research and Conservation or 3 hrs  
- BSC 5824 Biogeography or 4 hrs  
- PCB 3044L Principles of Ecology Laboratory or 1 hr  
- PCB 3354C River Ecology or 4 hrs  
- PCB 3355C Tropical Marine Biology or 2 hrs  
- PCB 3442 Aquatic Ecology or 3 hrs  
- PCB 5326C Ecosystems of Florida or 5 hrs  
- PCB 5435C Marine Ecology of Florida or 4 hrs  
- PCB 5485 Models in Ecology or 3 hrs  
- PAZ 4234 Zoo and Aquarium Management or 3 hrs  
- ZOO 4513 Animal Behavior 3 hrs

4. Complete a minimum of one lecture course from this group.  

- BSC 2010C Biology I 4 hrs  
- BSC 2011C Honors version BSC X041C or both 4 hrs  
- BSC 2012C Honors version BSC X042C or both 4 hrs  
- CHM 2045C Chemistry Fundamentals I 4 hrs  
- ENC 1101 Composition I 3 hrs  
- ENC 1102 Honors Composition or 3 hrs

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.  

12. University Minimum Exit Requirements  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.  
- Complete the 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  
- Biomedical Sciences  
- Science Education - Biology

Certificates  
- None

Related Minors  
- Biology  
- Environmental Studies  
- Biomedical Sciences

Advising Notes  
- Students are urged to contact their departmental advisor before registering for courses.  
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.

Transfer Notes  
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.  
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. 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.  
  - PCB 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 CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu/  
- Prior to enrolling in Math, take Math Placement Test at http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall  

- BSC 2010C Biology I 4 hrs  
- ENC 1101 Composition I 3 hrs  
- CHM 2045C Chemistry Fundamentals I 4 hrs  
- Math Course 4 hrs
Biology - Preprofessional Concentration (B.S.)

College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu
Frank Loguidice
407-823-2141

The Biology major offers excellent preparation for professional school. The curriculum is broad 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
BSC 2011C Biology II
CHM 2045C Chemistry Fundamentals I
CHM 2046 Chemistry Fundamentals II
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
CHM 2210 Organic Chemistry I
CHM 2211 Organic Chemistry II
CHM 2211L Organic Laboratory Techniques I 2 hrs
PHY 2053C College Physics I 4 hrs
PHY 2054C College Physics II 4 hrs

1. UCF General Education Program (GEP) (39 hrs)

- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
- Mathematics: 4 hrs

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/
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score
- Required CHM 2045C Chemistry Fundamentals I 4 hrs
- or - Students with little chemistry background should take this two semester equivalent instead.
- Required CHM 2040 Chemistry Fundamentals IA 3 hrs
- and
- Required CHM 2041 Chemistry Fundamentals IB 3 hrs

2. Common Program Prerequisites (CPP) (16 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses listed below.
- BSC 2010C Biology I GEP
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I GEP
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- MAC 2311 Calculus with Analytic Geometry I GEP
- STA 2023 Statistical Methods I GEP

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.ceas.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

Note: Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36.
UCF Degree Programs

Complete one entire physics sequence:

PHY 2053C College Physics I and 4 hrs
PHY 2054C College Physics II 4 hrs

or

PHY 2048C Physics for Engineers & Scientists I and 4 hrs
PHY 2049C Physics for Engineers and Scientists II 4 hrs

NOTE: These courses are considered to be equivalents:

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score
  CHM 2045C Chemistry Fundamentals I GEP

- Students with little chemistry background should take this two semester equivalent instead
  CHM 2040 Chemistry Fundamentals IA and 3 hrs
  CHM 2041 Chemistry Fundamentals IB GEP

3. Core Requirements: Basic Level (8 hrs)

  CHM 2210 Organic Chemistry I 3 hrs
  CHM 2211 Organic Chemistry II 3 hrs
  CHM 2211L Organic Laboratory Techniques I 2 hrs
  STA 2023 Statistical Methods I GEP/CPP

4. Core Requirements: Advanced Level (13 hrs)

  PCB 3023 Molecular Cell Biology 3 hrs
  PCB 3044 Principles of Ecology 3 hrs
  PCB 3063 Genetics 3 hrs
  PCB 4683 Evolutionary Biology 4 hrs

5. Restricted Electives (22 hrs)

The following is a suggested subset of the Biology Restricted Electives which may be most appropriate for many professional schools.

- Student must complete at least one course dealing exclusively with zoology and one course dealing exclusively with botany.
- At least three credit hours from each group must be completed.
- At least 10 hours of the Upper Division Restricted electives must be taken within the UCF Biology Department.
- Transferred courses must be at a 3000 level or higher, and be evaluated by the undergraduate program coordinator, in order to count as an Upper Division Restricted Elective.
- Consult a departmental advisor and be cognizant of the professional school’s requirements. For complete listing, see Biology B.S. degree program.

Form/Function

Complete a minimum of one lecture course from this group. 3 hrs

BCH 4053 Biochemistry I or 3 hrs
BCH 4054 Biochemistry II or 3 hrs
1 BSC 4454 Research in Animal Physiology or 2 hrs
2 PCB 3024L Molecular Cell Biology Laboratory or 2 hrs
2 PCB 3063L Genetics Laboratory or 1 hr
PCB 3233 Immunology or 3 hrs
2 PCB 4514 Genetics II or 3 hrs
2 PCB 4678 Evolution and Medicine or 3 hrs
1 PCB 4723 Animal Physiology or 4 hrs
2 PCB Human Genetics or 4 hrs
5665C
1 ZOO Comparative Vertebrate Anatomy or 5 hrs
3713C
1 ZOO Embryology/Development or 5 hrs
4603C
ZOO 4753C Vertebrate Histology 4 hrs

1 Fulfills Zoology requirement. Offered in Biology department.
2 Offered in Biology department.

Environmental

Complete a minimum of one lecture course from this group. 3 hrs

1 BOT 3802 Ethnobotany or 3 hrs
1 BOT 4850 Medicinal Botany 3 hrs

1 Fulfills Botany requirement. Offered in Biology department.

Systematic

Complete a minimum of one lecture course from this group. 3 hrs

MCB 3020C General Microbiology or 5 hrs
1 ZOO Biology and Ecology of Metazoan 4 hrs
4205C Invertebrates or 1 hr
1 ZOO Vertebrate Evolution & Ecology 4 hrs
4310C

1 Fulfills Zoology requirement. Offered in Biology department.

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- Spanish is highly recommended.

8. Electives

- Select primarily from upper level courses after consulting with your departmental advisor. May be outside of the department.

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

- A minimum GPA of 2.0 in all UCF courses taken in the Common Program Prerequisites, the Biology Core and the Upper Division Restricted Electives.
- Students will be required to take a comprehensive exam in biology during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring.
- Biology majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

- Biology
- Chemistry
- Biomedical Sciences

Certificates

- None

Related Minors

- Biology
- Biomedical Sciences

Advising Notes

- Students are urged to contact their departmental advisor before registering for courses.
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
- Students are strongly encouraged to work with the Office of Pre-Professional Advising (Ferrell Commons, Bldg 7G, Room 215C; 407-823-3033).
Senior Year - Fall 15 hrs

- 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.
  - CHM X045C: May substitute the Honors version CHM 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.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 15 hrs

- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- ENC 1101 Composition I 3 hrs
- Math prerequisite/Restricted Elective 4 hrs

Freshman Year - Spring 15 hrs

- ENC 1102 Composition II 3 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Math prerequisite/Restricted Elective 4 hrs

Sophomore Year - Fall 16 hrs

- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- CHM 2210 Organic Chemistry I 3 hrs
- PCB 3044 Principles of Ecology 3 hrs
- GEP 3 hrs

Sophomore Year - Spring 16 hrs

- CHM 2211 Organic Chemistry II 3 hrs
- PCB 3063 Genetics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Junior Year - Fall 16 hrs

- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PCB 3023 Molecular Cell Biology 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring 14 hrs

- PHY 2048C Physics for Engineers & Scientists II 4 hrs
- PCB 4683 Evolutionary Biology 4 hrs
- Restricted Elective 3 hrs
- GEP 3 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

- CHM 2211L Organic Laboratory Techniques I 2 hrs
- Restricted Elective 4 hrs
- Restricted Elective 3 hrs
- Free Elective 2 hrs
- Free Elective 3 hrs

\[ ^1 \text{May be taken earlier if space permits.} \]

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $19 per term
- Full-Time Student: $38 per term

Biomedical Sciences (B.S.)

College of Medicine

Burnett School of Biomedical Sciences

Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335

http://www.biomed.ucf.edu

E-mail: bcbinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair
407-823-5932

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor.

1. UCF General Education Program (GEP) (38 hrs)

A: Communication Foundations

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Preferred SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations

Select 1:
- Suggested MAC 2311 Calculus with Analytic Geometry I or 4 hrs
- Suggested MAC 2253 Applied Calculus I 3 hrs

Select 1:
- Suggested STA 2023 Statistical Methods I or 3 hrs
- Suggested CGS 1060C Introduction to Computer Science 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (8 hrs)

Select 1:
- Required BSC 2010C Biology I 4 hrs
- Required CHM 2045C Chemistry Fundamentals I 4 hrs

2. Common Program Prerequisites (CPP) (16 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- Required BSC 2010C Biology I GEP
- Required CHM 2045C Chemistry Fundamentals I GEP

- Required BSC 2011C Biology II GEP
- Required CHM 2046 Chemistry Fundamentals II 3 hrs
- Required CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- Required MAC 2311 Calculus with Analytic Geometry I GEP
## UCF Degree Programs

### 3. Core Requirements: Basic Level

#### Math, Statistics, Computer

<table>
<thead>
<tr>
<th>Select 1</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I or MAC 2233 Calculus I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

#### Select 1

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2023 Statistical Methods I or CGS 1060C Introduction to Computer Science</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

#### Life Sciences

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>MCB 3020C General Microbiology</td>
<td>5 hrs</td>
</tr>
<tr>
<td>MCB 4144 Microbial Metabolism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4239 Molecular Immunology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3233L Immunology Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>PCB 3522 Molecular Biology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 4524 Molecular Biology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3403C Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### Chemistry

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053 Biochemistry I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 5. Restricted Electives

(7 courses minimum)

- Seven courses from the list below, no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses.

- Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.

1. **MCB 4970H Honors Undergraduate Thesis II** 1 hr
2. **MCB 5654 Applied Microbiology** 3 hrs
3. **MAC 5932 Current Topics in Molecular Biology** 3 hrs
4. **MLS 3220C Techniques in Clinical Microscopy** 3 hrs
5. **MLS 3305 Hematology** 3 hrs
6. **MLS 4343 Malformation** 3 hrs
7. **MLS 4430C Clinical Parasitology** 2 hrs
8. **MLS 4503C Immunodiagnostics** 3 hrs
9. **MLS 4625 Advanced Clinical Chemistry I** 3 hrs
10. **MLS 4630 Advanced Clinical Chemistry II** 3 hrs
11. **PCS 3063 Genetics** 3 hrs
12. **PCS 3070C Human Physiology** 4 hrs
13. **PCS 4028 Molecular and Cellular Pharmacology** 3 hrs
14. **PCS 4174 Foundation of Bio-Imaging Science** 3 hrs
15. **PCS 4251 Tissue Engineering** 3 hrs
16. **PCS 4514 Genetics II** 3 hrs
17. **PCS 4529 Experimental Molecular Biology** 3 hrs
18. **PCS 4800 Endocrinology** 3 hrs
19. **PCS 5238 Immunobiology** 3 hrs
20. **PCS 5236 Cancer Biology** 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. 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):
  - 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
Students who begin a two semester sequence course (e.g. General Chemistry) at a community college are strongly encouraged to complete the course until enrolling at UCF. 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 requirement at the community college (lower division) level must take an additional 8 hours of upper division coursework at UCF.

Acceptable Substitutes for Transfer Courses

- BSC 2011C Biology II
- CHM 2045C Chemistry Fundamentals I
- MCB 3020C General Microbiology
- BSC 3403C Quantitative Biological Methods

Plan of Study

**Freshman Year - Fall**
- ENC 1101 Composition I
- CHM 2045C Chemistry Fundamentals I
- MAC 1105C College Algebra

Select 1:
- PSY 2012 General Psychology
- SYG 2000 Introduction to Sociology
- ANT 2000 General Anthropology

**Freshman Year - Spring**
- ENC 1102 Composition II
- CHM 2046 Chemistry Fundamentals II
- MAC 1114 College Trigonometry
- BSC 2010C Biology I
- SLS 2311C Overview of Select Medical Careers

**Sophomore Year - Fall**
- CHM 2210 Organic Chemistry I
- MCB 3020C General Microbiology

Select 1:
- MAC 2311 Calculus with Analytic Geometry I or
- MAC 2253 Applied Calculus I

Select 1:
- EUH 2000 Western Civilization I
- AMH 2010 U.S. History: 1492-1877
- WOH 2012 World Civilization I
- HUM 2210 Humanistic Tradition I

**Sophomore Year - Spring**
- CHM 2211 Organic Chemistry II
- CHM 2211L Organic Laboratory Techniques I
- BSC 3403C Quantitative Biological Methods

Select 1:
- STA 2023 Statistical Methods I or
- CGS 1060C Introduction to Computer Science

Select 1:
- EUH 2001 Western Civilization II
- AMH 2020 U.S. History: 1877-Present or
- HUM 2230 Humanistic Tradition II
- WOH 2022 World Civilization II

**Junior Year - Fall**
- PCB 3522 Molecular Biology I
- BSC 2011C Biology II

Select 1:
- PHY 2053C College Physics I
- PHY 2048C Physics for Engineers & Scientists I

Select 1:
- ECO 2013 Principles of Macroeconomics
- POS 2041 American National Government

Select 1:
- PHY 2045C College Physics II
- PHY 2049C Physics for Engineers and Scientists II

**Senior Year - Fall**
- PCB 4524 Molecular Biology II
- PCB 4239 Molecular Immunology
- PCB 3323L Immunology Laboratory
- SPC 1603 Fundamentals of Technical Presentations

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](http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm)

**Biomedical Sciences - Preprofessional Concentration (B.S.)**

**University of Central Florida**

**Burnett School of Biomedical Sciences**

**Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335**

E-mail: bcbinfo@mail.ucf.edu

Dr. P.E. Kolattukudy, Chair

407-823-5932

Students seeking admission to professional schools (medical, dental, optometry, veterinary, podiatry, and pharmacy) will meet all the admission requirements for those programs while obtaining a Molecular Biology and Microbiology degree.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System.
- Students should consult with a Departmental advisor and the Prehealth Advisement Office in HPA I 124.

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

- Note: Certain courses must be selected in GEP for this major, bringing the total GEP hours to more than 36.

**Equipment Fees**

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term
A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Select 1:
Required CGS 1060C Introduction to Computer Science or 3 hrs
Required STA 2023 Statistical Methods I 3 hrs

C: Mathematical Foundations (6 hrs)

D: Social Foundations (6 hrs)

Select one of the following sequences of courses:

2. Common Program Prerequisites (CPP) (16 hrs)
- Select “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (10 hrs)

Math, Statistics, Computers
Select 1:
MAC 2311 Calculus with Analytic Geometry I or GEP 4 hrs
MAC 2233 Applied Calculus I GEP 4 hrs

4. Core Requirements: Advanced Level (25 hrs)

Life Sciences: Advanced
MCB 3202C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 4239 Molecular Immunology GEP 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs

Chemistry
BCH 4053 Biochemistry I 3 hrs

5. Restricted Electives
7 courses minimum
- Seven courses from below, of which no more than two may be taken outside the Molecular Biology and Microbiology Department and at least two must be a laboratory course. No more than two may be MLS courses. Enrollment in some MLS courses is restricted. Check with advisor before enrolling. Only three hours of Honors thesis will count towards restrictive elective requirement.

- Students in the preprofessional concentration of the Molecular Biology and Microbiology program are recommended to choose from the following restricted electives:
  - BCH 4054 Biochemistry II 3 hrs
  - MCB 3203 Pathogenic Microbiology 3 hrs
  - MCB 3404 Bacterial Genetics and Physiology 3 hrs
  - MCB 4203 Infectious Processes 3 hrs
  - MCB 4276 Epidemiology of Infectious Diseases 3 hrs
  - MCB 4312 Molecular Biotechnology 3 hrs
  - MCB 4503C Virology 3 hrs
  - MCB 5225 Molecular Biology of Disease 3 hrs
  - MLS 3305 Hematology 3 hrs
  - MLS 4334 Hemostasis 3 hrs
  - MLS 4430C Clinical Parasitology 2 hrs
  - MLS 4505C Immunodiagnostics 3 hrs
  - PCB 3063 Genetics 3 hrs
  - PCB 3703C Human Physiology 4 hrs
  - PCB 4028 Molecular and Cellular Pharmacology 3 hrs
  - PCB 4514 Genetics II 3 hrs
  - PCB 4805 Endocrinology 3 hrs
  - PCB 5238 Immunobiology 3 hrs
  - ZOO 3701C Human Gross Anatomy & Dissection 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Variable

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Student must complete all coursework in the baccalaureate curriculum as shown, and, earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives.
- Independent study, directed research, or similar credit may not be used as a Restricted Elective.
- Minimum of 20 hours must be taken at UCF in the department of the major.
- Students will be required to pass a comprehensive test during their last semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Application and admission through the Department and the Burnett Honors College.
Select 1: 3 hrs
Freshman Year - Fall 13 hrs
Plan of Study
Freshman Year - Fall 13 hrs
Select 1:
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs
Freshman Year - Spring 16 hrs
Select 1:
ENC 1102 Composition I 3 hrs
CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
BSC 2010C Biology I 4 hrs
MAC 1114 College Trigonometry 3 hrs
Sophomore Year - Fall 15 hrs
Select 1:
CHM 2211 Organic Chemistry I 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
Select 1:
STA 2023 Statistical Methods I or 3 hrs
CGS 1060C Introduction to Computer Science 3 hrs
Select 1:
EUH 2001 Western Civilization II or 3 hrs
AMH 2020 U.S. History: 1877-Present or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
WOH 2022 World Civilization II 3 hrs
Junior Year - Fall 17 hrs
Select 1:
PHY 2053C College Physics I or 4 hrs
2 PHY 2048C Physics for Engineers & Scientists I 4 hrs
Select 1:
ECO 2013 Principles of Macroeconomics or 3 hrs
POS 2041 American National Government 3 hrs
1 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.
3 hrs
1 Or BSC 3403C.
2 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Junior Year - Spring 16 hrs
Select 1:
PCB 4524 Molecular Biology II 3 hrs
PCB 4239 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
SPC 1653 Fundamentals of Technical Presentations 3 hrs
Restricted Elective 2 hrs
Select 1:
1 PHY 2049C Physics for Engineers and Scientists II 4 hrs
1 Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

Senior Year - Fall 16 hrs
Select 1:
BCH 4053 Biochemistry I 3 hrs
Restricted Elective 3 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs
Senior Year - Spring 16 hrs
Select 1:
M CB 4414 Microbial Metabolism 3 hrs
Restricted Elective 3 hrs
Restricted Elective 4 hrs
Restricted Elective 3 hrs
Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
h ttp://www.oes.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $39 per term
Full-Time Student: $76 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
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

University of Central Florida

Undergraduate Catalog 2011-2012

147
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students should complete the General Education Program before transferring within the Florida Public University/Community College System
- Students should consult with a Departmental advisor
- Courses designated in section 1 below may be taken at a Florida Community College, and should usually be completed in the first 60 hours
- Grades below “C-” (1.75) in life science courses will not be accepted

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

A: Communication Foundations

Required
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs

Prefer
- SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- STA 2023 Statistical Methods I 3 hrs

Select 1: 4 hrs

Required
- MAC 2311 Calculus with Analytic Geometry I or

Required
- MAC 2253 Applied Calculus I 3 hrs

C: Mathematical Foundations

Required
- STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

E: Science Foundations

Required
- CHM 2045C Chemistry Fundamentals I 4 hrs

Required
- BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select one of the following sequences of courses:

PHYSICS

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs

or

PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

3. Core Requirements: Basic Level

- None

4. Core Requirements: Advanced Level (52 hrs)

LIFE SCIENCES

MCB 3020C General Microbiology 5 hrs
MCB 4414 Microbial Metabolism 3 hrs
PCB 4239 Molecular Immunology 3 hrs
PCB 3233L Immunology Laboratory 1 hr
PCB 3522 Molecular Biology I 3 hrs
PCB 4524 Molecular Biology II 3 hrs
BSC 3403C Quantitative Biological Methods 4 hrs
MCB 4721C Methods in Biotechnology 4 hrs
MCB 4720 Industrial Perspectives Seminar 3 hrs
MCB 4312 Molecular Biotechnology 3 hrs
PCB 4529 Experimental Molecular Biology 3 hrs
PCB 4174 Foundation of Bio-Imaging Science 3 hrs

CHEMISTRY

BCH 4053 Biochemistry I 3 hrs
CHM 2045L Chemistry Fundamentals Laboratory 1 hr
CHM 2211L Organic Laboratory Techniques I 2 hrs

PHYSICS

Select one of the following sequences of courses:

PHY 2053C College Physics I and 4 hrs
- PHY 2054C College Physics II 4 hrs

or

PHY 2048C Physics for Engineers & Scientists I and 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

5. Restricted Electives (6 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Variable

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A student must complete all coursework in the baccalaureate curriculum as shown, and earn a GPA of at least 2.0 for all coursework in the Prerequisites, Core and Restricted Electives

- A minimum of 20 hours must be taken at UCF in the department of the major

- Students will be required to pass a comprehensive test during their last semester

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120
Acceptable Substitutes

- Complete the following with a grade of B or better:
  - BSC 3403H: Quantitative Biological Methods
  - HUM 2230: Humanistic Tradition

- 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

Related Programs

- Biology
- Chemistry
- Medical Laboratory Sciences
- Biomedical Sciences

Certificates

- None

Related Minors

- Biology
- Chemistry
- Biomedical Sciences

Advising Notes

- None

Transfer Notes

- Students who begin a two semester sequence course (e.g., General Chemistry) at a 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 sequence at the community college, the student should postpone beginning the sequence before transferring. If it will not be possible to complete the sequence, students may elect to take Human Anatomy and Physiology I at UCF or complete the oral defense of the Honors Thesis.

Academic 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:
  - CHM 2045C may be substituted with CHM 2040 and CHM 2041
  - CHM 2045C may be substituted with: CHM 3403C
  - CHM 2045C Chemistry Fundamentals I may be substituted with: CHM 2040
  - CHM 2045C Chemistry Fundamentals I may be substituted with: CHM 2041

Plan of Study

**Freshman Year - Fall**
- ENC 1101: Composition I 3 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs
- Select 1:
  - PSY 2012: General Psychology 3 hrs
  - SYG 2000: Introduction to Sociology 3 hrs
  - ANT 2000: General Anthropology 3 hrs

**Freshman Year - Spring**
- ENC 1102: Composition II 3 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 3 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- BSC 2010C: Biology I 4 hrs

**Sophomore Year - Fall**
- CHM 2210: Organic Chemistry I 3 hrs
- MCB 3020C: General Microbiology 5 hrs
- Select 1:
  - MAC 2311: Calculus with Analytic Geometry I or 4 hrs
  - MAC 2253: Applied Calculus I 3 hrs
  - Select 1:
    - EUH 2000: Western Civilization I 3 hrs
    - AMH 2010: U.S. History: 1492-1877 or 3 hrs
    - WOH 2012: World Civilization I or 3 hrs
    - HUM 2210: Humanistic Tradition I 3 hrs

**Sophomore Year - Spring**
- CHM 2211: Organic Chemistry II 3 hrs
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- BSC 3403C: Quantitative Biological Methods 4 hrs
- Select 1:
  - STA 2023: Statistical Methods I or 3 hrs
  - CGS 1060C: Introduction to Computer Science 3 hrs

**Junior Year - Fall**
- PCB 3522: Molecular Biology I 3 hrs
- MCB 4720: Industrial Perspectives Seminar 3 hrs

**Junior Year - Spring**
- PHY 2045C: College Physics II or 4 hrs
- PHY 2046C: Physics for Engineers & Scientists II or 4 hrs

**Senior Year - Fall**
- PCB 4524: Molecular Biology II 3 hrs
- PCB 4239: Molecular Immunology 3 hrs
- PCB 4333L: Immunology Laboratory 1 hr
- MCB 4312: Molecular Biotechnology 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**
- PCB 4529: Experimental Molecular Biology 3 hrs
- PCB 4174: Foundation of Bio-Imaging Science 3 hrs
- MCB 4414: Microbial Metabolism 3 hrs
- Restricted Elective 3 hrs

- For students who transfer in their junior year from the community college (cc), the revised sequence of courses is provided (it is assumed that GEP and physics will be completed at cc):

**Junior Year - Fall**
- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
- MCB 3020C: General Microbiology 3 hrs
- MCB 4721C: Methods in Biotechnology 3 hrs
- MCB 4312: Molecular Biotechnology 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**
- MCB 4414: Microbial Metabolism 3 hrs
- MCB 4721C: Methods in Biotechnology 4 hrs
- MCB 4312: Molecular Biotechnology 3 hrs
- Restricted Elective 3 hrs

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.

**Senior Year - Fall**
- PCB 4524: Molecular Biology II 3 hrs
- PCB 4239: Molecular Immunology 3 hrs
- PCB 4333L: Immunology Laboratory 1 hr
- PCB 4529: Experimental Molecular Biology 3 hrs
- PCB 4174: Foundation of Bio-Imaging Science 3 hrs

- Students electing to enroll in the PHY2048/2049 sequence must plan to accommodate MAC 2311/2312 as prerequisites.
## UCF Degree Programs

### Business Administration (B.A.B.A.)

#### College of Business Administration

**Department of Management, Business Administration**

II, Room: 101

**http://www.bus.ucf.edu**

**E-mail:** cba@bus.ucf.edu

Selena Forrest (Clemont Advising), 352-536-2174

Angelia Jones (Cocoa Advising), 321-433-7889

Christine Davis (Daytona Advising), 386-506-4021

Melba Sanchez (College of Business), 407-823-2184

407-823-2184

The Bachelor of Arts in Business Administration (B.A.B.A.) within the College of Business Administration is a degree that will allow students to tailor their degree program to meet the needs of their chosen profession, through the use of an existing minor and a foreign language. The B.A.B.A. degree is significantly different than the traditional business degree at UCF such as Marketing, Finance, Accounting, etc. The B.A.B.A. degree permits course enrollment across various disciplines, in correspondence with the academic and life goals of each student. As such, B.A.B.A. is an individualized program of study consisting of the common program prerequisites, an approved academic minor, one year of foreign language, and the business core. Students can choose any minor outside the College of Business. The B.A.B.A. degree enables UCF's undergraduate students to graduate from the University with a specialized degree, having a business emphasis, uniquely designed by the student and his or her advisor. Not eligible for a double degree or double major with another CBA major.

#### Admission Requirements

- **2.0 GPA** and completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College

#### Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each Common Program Prerequisites class.
- Students wanting a Bachelor of Arts in Business Administration must apply for admission to the major.
- Any student receiving a B.A.B.A. degree must complete one-half (18) of the 36 upper level business courses for their degree program in the College of Business Administration.
- Students must earn at least a 2.0 GPA in the College of Business Administration.
- Students seeking a B.A.B.A. major must earn a grade of “C” (2.0) or better in each course applied toward the major.

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

<table>
<thead>
<tr>
<th>Category</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>A: Communication Foundations</td>
<td>SPC 1608</td>
<td>3 hrs</td>
</tr>
<tr>
<td>B: Cultural &amp; Historical Foundations</td>
<td>MAC 1140</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>STA 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td>C: Mathematical Foundations</td>
<td>STA 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td>D: Social Foundations</td>
<td>Suggested ECO 2013</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Suggested ECO 2023</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>Suggested ANT 2000</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 2021</td>
<td>Principles of Financial Accounting</td>
</tr>
<tr>
<td>ACG 2071</td>
<td>Principles of Managerial Accounting</td>
</tr>
<tr>
<td>CJS 2100C</td>
<td>Computer Fundamentals for Business</td>
</tr>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
</tr>
</tbody>
</table>

#### 3. Core Requirements: Basic Level

- None

#### 4. Core Requirements: Advanced Level (32 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
</tr>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>MAR 3025</td>
<td>Management of Organizations</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain Management</td>
</tr>
</tbody>
</table>

1. Required in the 1st or 2nd semester
2. Must be taken with GEB 3031

#### 5. Restricted Electives

- None

#### 6. Capstone Requirements (4 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
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<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
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<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
</tr>
</tbody>
</table>

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

#### 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.

#### 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.

#### 8. Electives

- None

#### 9. Additional Requirements

- None

#### 10. Required Minors

- Existing non-business minor offered at Regional Campuses

#### 11. Departmental Exit Requirements

- None
12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level 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.oelas.ucf.edu/aic/academic_learning_compacts.htm

**Acceptable Substitutes for Transfer Courses**

- AGC 2021 Principles of Financial Accounting may be substituted with AGC X001 and X011.

**Plan of Study**

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/aic/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

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**Chemistry (B.S.)**

**College of Sciences**

**Department of Chemistry, Chemistry, Room: 117**

http://chemistry.cos.ucf.edu/

E-mail: chemstaf@mail.ucf.edu

Dr. Pedro Patino
407-823-2246

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in the major
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours,
- AA transfer students are expected to have completed the following courses before enrolling as a Chemistry major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

**1. UCF General Education Program (GEP) (39 hrs)**

- Note: Certain courses must be selected in the GEP for this major, which brings the GEP hours above 36

**A: Communication Foundations** (9 hrs)

<table>
<thead>
<tr>
<th>Required</th>
<th>ENC 1101 Composition I</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer</td>
<td>SPC 1603 Fundamentals of Technical Presentations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B: Cultural & Historical Foundations** (9 hrs)

| Required | MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
| Prefer    | STA 2023 Statistical Methods I | 3 hrs |

**C: Mathematical Foundations** (7 hrs)

| Required | PHY 2048C Physics for Engineers & Scientists I | 4 hrs |
| Required | PHY 2049C Physics for Engineers and Scientists II | 4 hrs |

**D: Social Foundations** (6 hrs)

| Required | MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
| Required | PHY 2048C Physics for Engineers & Scientists I | 4 hrs |

**E: Science Foundations** (8 hrs)

| Required | MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
| Required | PHY 2049C Physics for Engineers and Scientists II | 4 hrs |

**2. Common Program Prerequisites (CPP) (24 hrs)**

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- Prior to enrolling in Chemistry, you must take the Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu

| Required | CHM 2045C Chemistry Fundamentals I | 4 hrs |
| Required | CHM 2046 Chemistry Fundamentals II | 3 hrs |
| Required | CHM 2046L Chemistry Fundamentals Laboratory | 1 hrs |
| Required | CHM 2210 Organic Chemistry I | 3 hrs |
| Required | CHM 2211 Organic Chemistry II | 3 hrs |
| Required | CHM 2211L Organic Laboratory Techniques I | 2 hrs |
| Required | MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
| Required | MAC 2312 Calculus with Analytic Geometry II | 4 hrs |
| Required | MAC 2311 Calculus with Analytic Geometry I | 4 hrs |
| Required | MAC 2312 Calculus with Analytic Geometry II | 4 hrs |

---

**Undergraduate Catalog 2011-2012**
UCF Degree Programs

PHY 2048C  Physics for Engineers & Scientists I  GEP
PHY 2049C  Physics for Engineers and Scientists II  4 hrs

NOTE: These courses are considered to be equivalents:
- A one semester course for students with a strong chemistry back-
ground and high Chem Placement scores:
  CHM 2045C  Chemistry Fundamentals I  4 hrs
or - Students with little chemistry background should take 2 this
semester equivalent instead.
  CHM 2040  Chemistry Fundamentals I A and 3 hrs
  CHM 2041  Chemistry Fundamentals I B 3 hrs

3. Core Requirements: Basic Level (4 hrs)
   BSC 2010C  Biology I  GEP
   MAC 2313  Calculus with Analytic Geometry III  4 hrs
   PHY 2048C  Physics for Engineers & Scientists I  GEP/CPP
   PHY 2049C  Physics for Engineers and Scientists II  CPP

Select 1:
   STA 1060C  Basic Statistics Using Microsoft Excel or  GEP
   STA 2023  Statistical Methods I  GEP

4. Core Requirements: Advanced Level (34 hrs)
   BCH 4055  Biochemistry I  3 hrs
   CHM 3120  Analytical Chemistry  3 hrs
   CHM 3120L  Analytical Chemistry Laboratory  1 hr
   CHM 3212L  Organic Laboratory Techniques II  2 hrs
   CHM 3410  Physical Chemistry I  4 hrs
   CHM 3411  Physical Chemistry II  3 hrs
   CHM 3411L  Physical Chemistry Laboratory  2 hrs
   CHM 4610  Inorganic Chemistry  3 hrs
   CHM 4610L  Inorganic Chemistry Laboratory  2 hrs
   CHM 4130  Advanced Analytical Laboratory Technique  3 hrs
   CHM 4130L  Advanced Analytical Laboratory Technique  3 hrs
   CHM 4912  Directed Independent Research  4 hrs
   CHM 4930  Chemistry Seminar I  1 hr
   CHM 4931  Chemistry Seminar II  1 hr

5. Restricted Electives (6 hrs)
   Select from the following courses:
   BCH 4054  Biochemistry II  3 hrs
   CHM 4220  Organic Chemistry III  3 hrs
   CHM 5225  Advanced Organic Chemistry  3 hrs
   CHM 5235  Applied Molecular Spectroscopy  3 hrs
   CHM 5450  Polymer Chemistry  3 hrs
   CHM 5451C  Techniques in Polymer Science  3 hrs
   CHM 5580  Advanced Physical Chemistry  3 hrs
   CHS 4200  Concepts in Industrial Chemistry  3 hrs
   CHS 4615  Environmental Chemistry  3 hrs

Directed Electives  3 hrs
   - Course will be selected with the aid of a departmental advisor and
     approved in advance by the department chair. Course will be selected
     from the physical, biological, mathematical sciences and/or related
     disciplines and normally will be at the 3000/4000 level. Co-op courses
     cannot be used in the major.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Two years high school, or one year college language (or equivalent
     proficiency exam) prior to graduation.

Graduation
   - None

8. Electives
   - Select primarily from upper level courses after meeting with a
     departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - Complete a minimum of 30 Chemistry credits from the UCF
     Chemistry Department.
   - Achieve at least a “C” (2.0) grade in each UCF Chemistry course
     used to satisfy the major.
   - 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 determina-
     tion 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 resi-
      dency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit
      by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the
      CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  120

13. Honors In Major
    - None

14. Related Programs
    None

15. Related Minors
    - Chemistry
    - Biomedical Sciences

16. Advising Notes
    - Students must satisfy each course’s prerequisites before enrolling
      in the class.

17. Transfer Notes
    - Lower Division courses taken at community colleges do not substi-
      tute 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 phys-
      ics courses, they will not satisfy the major; thus the specified physics
      courses will still have to be taken.
      Physics: Although the CPP allows substitution by Organic
      Chemistry, both the specified Physics and Organic Chemistry classes are
      required in the major and will still have to be taken.

Plan of Study
    - One of numerous possible plans of study. See program description
      for all requirements. Consult a departmental advisor for alternate, new or
      more appropriate selections.
    - Before registering for Chemistry, you must take the Chemistry
      Placement Test – http://chemplacement.sdes.ucf.edu/
    - Before registering for Math, you must take Math Placement Test –
      http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall  15 hrs
   BSC 2010C  Biology I  4 hrs
   ENC 1101  Composition I  3 hrs
   MAC 2311  Calculus with Analytic Geometry I  4 hrs
   CHM 2045C  Chemistry Fundamentals I  4 hrs
### Degree Requirements

**Sophomore Year - Fall**

- **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- **CHM 2210** Organic Chemistry I 3 hrs
- **MAC 2313** Calculus with Analytic Geometry III 4 hrs
- Statistics 3 hrs

**Sophomore Year - Spring**

- **GEP** 3 hrs
- **CHM 2211** Organic Chemistry II 3 hrs
- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs
- **Free Elective** 2 hrs

**Junior Year - Fall**

- **CHM 3411** Physical Chemistry II 3 hrs
- **CHM 3411L** Physical Chemistry Laboratory 2 hrs
- **CHM 4310** Advanced Analytical Laboratory Technique 3 hrs
- **CHM 4610** Inorganic Chemistry 3 hrs
- **Restricted Elective** 3 hrs
- **CHM 4310L** Advanced Analytical Chemistry Laboratory 2 hrs

**Junior Year - Spring**

- **CHM 4311** Physical Chemistry II 3 hrs
- **CHM 4311L** Physical Chemistry Laboratory 2 hrs
- **CHM 4130** Advanced Analytical Laboratory Technique 3 hrs
- **CHM 4610** Inorganic Chemistry 3 hrs
- **Restricted Elective** 3 hrs
- **CHM 4310L** Advanced Analytical Chemistry Laboratory 2 hrs

**Senior Year - Fall**

- **CHM 4610L** Inorganic Chemistry Laboratory 2 hrs
- **CHM 4930** Chemistry Seminar I 1 hr
- **Restricted Elective** 3 hrs
- **Free Elective** 2 hrs
- **CHM 4912** Directed Independent Research 2 hrs
- **Free Elective** 3 hrs

**Senior Year - Spring**

- **CHM 4912** Directed Independent Research 2 hrs
- **CHM 4931** Chemistry Seminar II 1 hr
- **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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Chemistry - Biochemistry Track (B.S.)

**College of Sciences**

**Department of Chemistry, CH, Room: 117**

**E-mail:** chemstaf@mail.ucf.edu

**Dr. Pedro Patino**

407-825-2246

**Admission Requirements**

- None

**Degree Requirements**

- Students who change degree programs and select this major must adopt the most current catalog.
- **Co-op or internship credit cannot be used in the major.**
- Students should consult with a departmental advisor before registering.

- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level course taken from the UCF Department of Chemistry.
- Chemistry majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Individual course prerequisites for enrollment in courses selected to complete areas 4 (Core Requirements-Advanced Level) and 5 (Restricted Electives) will be enforced without exception.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours. Courses designated in 1 (General Education Program) typically are spread throughout the 120 hours.
- AA transfer students are expected to have completed all of the following courses before enrolling as a Chemistry major; these classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

**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 **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)** (20 hrs)

- **CHM 2045C** Chemistry Fundamentals I 4 hrs
- **CHM 2046** Chemistry Fundamentals II 3 hrs
- **CHM 2046L** Chemistry Fundamentals Laboratory 1 hr
- **CHM 2210** Organic Chemistry I 3 hrs
- **CHM 2211** Organic Chemistry II 3 hrs
- **CHM 2211L** Organic Laboratory Techniques I 2 hrs
- **MAC 2311** Calculus with Analytic Geometry I 4 hrs
- **MAC 2312** Calculus with Analytic Geometry II 4 hrs
- **PHY 2048C** Physics for Engineers & Scientists I 4 hrs
- **PHY 2049C** Physics for Engineers and Scientists II 4 hrs

**NOTE:** These courses are considered to be equivalents:

- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:
  - **CHM 2045C** Chemistry Fundamentals I 4 hrs

- or - Students with little chemistry background should take this two semester equivalent instead.
  - **CHM 2040** Chemistry Fundamentals IA and 3 hrs
  - **CHM 2041** Chemistry Fundamentals IB 3 hrs

**3. Core Requirements: Basic Level** (14 hrs)

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td><strong>BSC 2010C</strong> Biology I</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>CHM 3120</strong> Analytical Chemistry</td>
<td>3 hrs</td>
</tr>
<tr>
<td><strong>CHM 3120L</strong> Analytical Chemistry Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td><strong>CHM 3212L</strong> Organic Laboratory Techniques II</td>
<td>2 hrs</td>
</tr>
<tr>
<td><strong>MAC 2313</strong> Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>PHY 2048C</strong> Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td><strong>PHY 2049C</strong> Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**UCF Degree Programs**
UCF Degree Programs

Select one of the following statistics courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>GEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>GEP</td>
</tr>
<tr>
<td>STA 2023</td>
<td>Statistical Methods I</td>
<td>GEP</td>
</tr>
</tbody>
</table>

4. Core Requirements: Advanced Level (37 hrs)

<table>
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<tr>
<th>Course</th>
<th>Description</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3</td>
</tr>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
<td>2</td>
</tr>
<tr>
<td>CHM 3410</td>
<td>Physical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 3411</td>
<td>Physical Chemistry II</td>
<td>3</td>
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<tr>
<td>CHM 3411L</td>
<td>Physical Chemistry Laboratory</td>
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<tr>
<td>CHM 4610</td>
<td>Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHM 4912</td>
<td>Directed Independent Research</td>
<td>4</td>
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<td>CHM 4930</td>
<td>Chemistry Seminar I</td>
<td>1</td>
</tr>
<tr>
<td>CHM 4931</td>
<td>Chemistry Seminar II</td>
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</tr>
<tr>
<td>PCB 3020C</td>
<td>General Microbiology</td>
<td>5</td>
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<tr>
<td>PCB 3023</td>
<td>Molecular Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3</td>
</tr>
</tbody>
</table>

5. Restricted Electives (10 hrs)

Select from the following:

- CHM 4220: Organic Chemistry III or 3 hrs
- CHM 5225: Advanced Organic Chemistry 3 hrs

Additional physical, biological, and mathematical sciences courses.

- In addition to those listed above, course selected with the aid of a departmental advisor and approved in advance by the department chair may also be used.
- These courses should be at least at the 3000 level.

6. Capstone Requirements

- None

7. Foreign Language Requirements

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Graduation: None

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

- Complete a minimum of 30 Chemistry credits from the UCF Chemistry Department.
- Achieve at least a “C” (2.0) grade in each UCF Chemistry course used to satisfy the major.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Grades earned in the following courses will not be applied in the determination of the Chemistry GPA:
  - CHM 4912: Directed Independent Research 4 hrs
  - CHM 4930: Chemistry Seminar I 1 hr
  - CHM 4931: Chemistry Seminar II 1 hr

10. Required Minors

- None

11. Departmental Exit Requirements

- Students are required to take a nationally normed test in chemistry and biochemistry during their last semester. The exam will be given in the Fall and Spring semesters. Students who plan to graduate in the Summer must take the exam in the Spring. The student must achieve a satisfactory score on the exam.
- Students are required to submit an undergraduate research report for evaluation no later than the date posted by the department in the semester they intend to graduate. The report must meet or exceed departmental requirements established for the report.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A.2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- Biology
- Chemistry
- Forensic Science - Analysis Track
- Forensic Science - Biochemistry Track
- Biomedical Sciences

Certificates

- None

Related Minors

- Chemistry
- Biology
- Biomedical Sciences

Advising Notes

- None

Transfer Notes

- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- The following Common Program Prerequisite courses may be satisfied by the following courses if taken prior to transferring to UCF:
  - CHM 2045C: May use CHM X040C plus CHM X041C.
  - Physics: Although the CPP allows substitution by other physics courses or Organic Chemistry, both the specified Physics and Organic Chemistry classes are required in the major and will still have to be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 2010C</td>
<td>Biology I</td>
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</tr>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
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</table>

Freshman Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
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<td>GEP</td>
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<td>3</td>
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<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
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<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
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<td>GEP</td>
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Sophomore Year - Fall

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<tr>
<th>Course</th>
<th>Description</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2210</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4</td>
</tr>
<tr>
<td>Statistics</td>
<td></td>
<td>3</td>
</tr>
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</table>

Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 2211</td>
<td>Organic Chemistry II</td>
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</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4</td>
</tr>
<tr>
<td>CHM 2211L</td>
<td>Organic Laboratory Techniques I</td>
<td>2</td>
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<td>CHM 3120</td>
<td>Analytical Chemistry</td>
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<td>CHM 3120L</td>
<td>Analytical Chemistry Laboratory</td>
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</tr>
<tr>
<td>PCB 3063</td>
<td>Genetics</td>
<td>3</td>
</tr>
</tbody>
</table>
### 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

**Admission Requirements**
- None

**Degree Requirements (128 hrs)**
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

#### 1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs  
- Required ENC 1102 Composition II 3 hrs  
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
- Select two courses from Historical Foundations 6 hrs  
- Select one course from Cultural Foundations 3 hrs

**C: Mathematical Foundations** (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs  
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

**D: Social Foundations** (6 hrs)
- Select one course from Social Foundation Group 1 3 hrs  
- Select one course from Social Foundation Group 2 3 hrs

**E: Science Foundations** (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs  
- Prefer GEO 1200 Physical Geography 3 hrs

#### 2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

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<td>MAC 2311</td>
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<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
</tr>
</tbody>
</table>

#### Select one of the following sequences of courses:

- **Preferred course**
  - CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs

- **or - First alternative: Select all of the following:**
  - CHM 2040  Chemistry Fundamentals IA and  3 hrs  
  - CHM 2041  Chemistry Fundamentals IB  3 hrs

- **or - Second alternative**
  - CHM 2045C  Chemistry Fundamentals I  4 hrs

#### 3. Core Requirements: Basic Level (2 hrs)
- EGN 1006C  Introduction to the Engineering Profession  1 hr  
- EGN 1007C  Engineering Concepts and Methods  1 hr

#### 4. Core Requirements: Advanced Level (63 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
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<td>CEE 4003</td>
<td>Introduction to the Construction Industry</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
</tr>
<tr>
<td>CGN 3700C</td>
<td>Civil Engineering Measurements</td>
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<td>Civil Engineering Materials</td>
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<td>Structural Analysis I and Lab</td>
</tr>
<tr>
<td>CWR 3201</td>
<td>Engineering Fluid Mechanics</td>
</tr>
<tr>
<td>CWR 4632C</td>
<td>Water Resources Engineering I</td>
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<tr>
<td>TTE 3810</td>
<td>Highway Engineering</td>
</tr>
<tr>
<td>ENV 4531</td>
<td>Environmental Engineering Operations &amp; Processes I</td>
</tr>
<tr>
<td>CES 4605</td>
<td>Steel Structures</td>
</tr>
<tr>
<td>CES 4702</td>
<td>Reinforced Concrete Structures</td>
</tr>
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#### Select 3:
- **Take 3 from the following:**
  - CEG 4012  Geotechnical Engineering II or  3 hrs  
  - CWR 4633C  Water Resources Engineering II or  3 hrs  
  - ENV 4561  Environmental Engineering Operations & Processes II or  3 hrs  
  - TTE 4274  Transportation Engineering Systems  3 hrs

- A “C” (2.0) or better is required in this course.

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**UCF Degree Programs**

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**UNIVERSITY OF CENTRAL FLORIDA**

Presentations  3 hrs  
Science Foundations (7 hrs):  6 hrs

**College of Engineering and Computer Science**  
Department of Civil, Environmental, and Construction  
**Engineering, Engineering II, Room: 211**  
http://www.cece.ucf.edu  
Carol Ann Pohl, carol.pohl@ucf.edu  
Dr. F. Necati Catbas, fikret.catbas@ucf.edu  
407-823-2841

**Civil Engineering (B.S.C.E.)**

**Admission Requirements**
- None

**Degree Requirements (128 hrs)**
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

#### 1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

**A: Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs  
- Required ENC 1102 Composition II 3 hrs  
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)
- Select two courses from Historical Foundations 6 hrs  
- Select one course from Cultural Foundations 3 hrs

**C: Mathematical Foundations** (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs  
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

**D: Social Foundations** (6 hrs)
- Select one course from Social Foundation Group 1 3 hrs  
- Select one course from Social Foundation Group 2 3 hrs

**E: Science Foundations** (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs  
- Prefer GEO 1200 Physical Geography 3 hrs

#### 2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- A grade of “C” (2.0) or better is required in each course in this section.

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#### Select one of the following sequences of courses:

- **Preferred course**
  - CHS 1440  Fundamentals of Chemistry for Engineers  4 hrs

- **or - First alternative: Select all of the following:**
  - CHM 2040  Chemistry Fundamentals IA and  3 hrs  
  - CHM 2041  Chemistry Fundamentals IB  3 hrs

- **or - Second alternative**
  - CHM 2045C  Chemistry Fundamentals I  4 hrs

#### 3. Core Requirements: Basic Level (2 hrs)
- EGN 1006C  Introduction to the Engineering Profession  1 hr  
- EGN 1007C  Engineering Concepts and Methods  1 hr

#### 4. Core Requirements: Advanced Level (63 hrs)

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<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
</tr>
<tr>
<td>ENV 3001</td>
<td>Introduction to Environmental Engineering</td>
</tr>
<tr>
<td>CEE 4003</td>
<td>Introduction to the Construction Industry</td>
</tr>
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<td>CGN 3700C</td>
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</table>

#### Select 3:
- **Take 3 from the following:**
  - CEG 4012  Geotechnical Engineering II or  3 hrs  
  - CWR 4633C  Water Resources Engineering II or  3 hrs  
  - ENV 4561  Environmental Engineering Operations & Processes II or  3 hrs  
  - TTE 4274  Transportation Engineering Systems  3 hrs

- A “C” (2.0) or better is required in this course.
UCF Degree Programs

5. Restricted Electives
- Some students may need to take technical electives to satisfy hour
  shortages because of transfer status. Technical electives are available
  in the BSCE program to address specific student interests in a variety
  of technical areas. Students should consult the CECE website and their
  assigned academic advisor for a list of the approved technical electives
  and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
- Senior Design Courses
  CGN 4808C CECE Capstone Design 3 hrs

Design Specialization
- CES 4743C Structural Design or 3 hrs
- 4812C
- CEG 4012 Geotechnical Engineering Design or 3 hrs
- CEG 4011C
- CWR 4632C Water Resources Design or 3 hrs
- CWR 4633C
- ENV 4561 Environmental Engineering Water Treatment Design or 3 hrs
- TTE 4601C Urban Systems Design 3 hrs

- A ‘C’ (2.0) or better is required in this course.

7. Foreign Language Requirements

Admissions
- Two years of foreign language in high school, or one year of foreign
  language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- Civil engineering students must take the Fundamentals of
  Engineering (FE) Exam during their Senior year. Applications must be
  received by the Florida Board of Professional Engineers approximately 6
  months in advance of your exam date. The exam is offered in April and
  October only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency
  at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit
  by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the
  CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Construction Engineering
- Environmental Engineering

Certificates
- None

Related Minors
- Mathematics
- Engineering Leadership

Advising Notes
- Each engineering student is assigned a qualified engineering aca-
  demic advisor in the department of his/her major. Each student should
  seek academic advisement before registering for classes each semester
  to minimize excess hours and to ensure that satisfactory academic prog-
  ress is being maintained.

- The Civil Engineering program offers the opportunity for exception-
  ally well qualified undergraduates to enter directly into the PhD program
  after completion of an appropriate BS degree. This option allows out-
  standing undergraduates to begin planning a research program with
  a specific faculty advisor even before finishing the BS, and may allow
  completion of the PhD in a shorter time period than by taking a separate
  Masters followed by the PhD.

Transfer Notes
- Courses taken from Community Colleges do not substitute for Upper
  Division Courses unless part of an articulated pre-engineering degree
  program.
- Courses transferred must be formally evaluated for equivalency
  credit. The student must provide all supporting information (course syl-
  labus) with his/her petition for this evaluation.
- EGN 1006C and EGN 1007C are required courses for incoming
  freshmen only. The credits for these two courses (one hour for each)
  may, with prior approval of the department academic advisor, be moved
  to the Restricted Elective area.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (128 hrs)
- The tentative course schedule listed below is a guide for those
  students who plan on completing their degree in four years. All engineer-
  ing students should meet with their departmental academic advisor to
  develop and maintain an appropriate plan of study.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- EGN 1006C Introduction to the Engineering Profession 1 hr

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- EGN 1007C Engineering Concepts and Methods 1 hr
- EGN 3613 Engineering Economic Analysis 2 hrs

Sophomore Year - Fall
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3311 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3331 Mechanics of Materials 3 hrs
- GEP 3 hrs

Sophomore Year - Summer
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- GEP 3 hrs

Junior Year - Fall
- CWR 3201 Engineering Fluid Mechanics 3 hrs
- CCE 4003 Introduction to the Construction Industry 3 hrs
- CEG 3501C Civil Engineering Materials 3 hrs
- CES 4100C Structural Analysis I and Lab 4 hrs
- CGN 3700C Civil Engineering Measurements 4 hrs

Junior Year - Spring
- CWR 4632C Water Resources Engineering I 4 hrs
- TTE 3810 Highway Engineering 3 hrs

Senior Year - Fall
- CEG 4011C Geotechnical Engineering I 4 hrs
- CWR 4632C Water Resources Engineering I 4 hrs
- TTE 4601C Urban Systems Design 3 hrs

- CES 4605 Steel Structures 3 hrs
- ENV 4531 Environmental Engineering Operations & Processes I 3 hrs

Discipline Depth
- CEG 4012 Geotechnical Engineering II or 3 hrs
- CWR 4632C Water Resources Engineering II or 3 hrs
- ENV 4561 Environmental Engineering Operations & Processes II or 3 hrs
- TTE 4274 Transport Engineering Systems 3 hrs
Discipline Depth 3 hrs

Senior Year - Spring 12 hrs

D: Social Foundations (6 hrs)
Select 1: 3 hrs

C: Mathematical Foundations (6 hrs)

A: Communication Foundations (9 hrs)

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

   to complete coursework in this major

   however, negative criminal background checks may result in the inability
   restricted elective, and B.A./B.S. elective
   first 60 hours
   or
   Students must earn at least a “C” (1.75) in each required course,
   or
   Communication Sciences and Disorders is an unrestricted major,

2. Common Program Prerequisites (CPP)

   STA 2014C  Principles of Statistics  GEP

   BSC 1005  Biological Principles  GEP

   PSY 2012  General Psychology  GEP

   PHY 2XXX Physics Course (GEP)

3. Core Requirements: Basic Level

   None

4. Core Requirements: Advanced Level (56 hrs)

   Core Requirements 53 hrs

   DEP 2004C  Developmental Psychology  3 hrs

   SPA 3471  Communication Disorders in Literature and Media  3 hrs

   SPA 3112  Basic Phonetics  3 hrs

   SPA 3112L  Basic Phonetics Lab  1 hr

   SPA 4400  Language Disorders Across the Lifespan  3 hrs

   SPA 4478  Multicultural Aspects of Communication Disorders & Differences  3 hrs

   SPA 4490  Language Disorders Across the Life Span  3 hrs

   SPA 4321  Audiology  3 hrs

   LIN 3713  Language Science  3 hrs

   SPA 4870C  Capstone Course  3 hrs

   Select 1:  3 hrs

   EAB 3703C  Principles of Behavior Modification or  4 hrs

   or

   or

   or

   or

   Option 2: STA 2014C  Principles of Statistics and

   SPA 4803  Research Methods in Communication Sciences and Disorders  3 hrs

   STA 2023  Statistical Methods I and  3 hrs

   STA 4163  Statistical Methods II  3 hrs

   Required PHY 2XXX Physics Course  3 hrs

   STA 2023  Statistical Methods I and

   STA 4803  Research Methods in Communication Sciences and Disorders  3 hrs

   or

   Statistics Requirement 3 hrs

   Students have two options for completing this requirement:

   Option 1:  3 hrs

   STA 2023  Statistical Methods I and  3 hrs

   STA 4163  Statistical Methods II  3 hrs

   Option 2:  3 hrs

   STA 2023  Statistical Methods I and  3 hrs

   or

   GPA 4803  Research Methods in Communication Sciences and Disorders  3 hrs

   or

   GPA 4803  Research Methods in Communication Sciences and Disorders  3 hrs

5. Restricted Electives (9 hrs)

   An additional nine credit hours of upper division course work in

   Communication Sciences and Disorders selected in consultation with an

   academic advisor.

   B.A./B.S. Option:

   Students pursuing the B.A. degree must demonstrate proficiency in

   a foreign language equivalent to one year in college. ASL I, II and III can

   also be used to fulfill this requirement.

   Students pursuing the B.S. degree must complete two upper division

   health sciences courses (six credit hours) approved by the department.
UCF Degree Programs

6. Capstone Requirements
   SPA 4870C  Capstone Course  3 hrs

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of
     one foreign language in college (or equivalent proficiency exam) prior to
     graduation.
   Graduation
   ■ None
   8. Electives
   ■ Students can choose 12 hours of electives. A minor or certificate is
     encouraged.
   9. Additional Requirements
   ■ None
   10. Required Minors
   ■ None
   11. Departmental Exit Requirements
   ■ Students must achieve a minimum grade of “C-” (1.75) in all required
     courses, restricted electives, and B.A./B.S. electives in the department.
   ■ Students must also earn an overall minimum of 2.0 GPA in the
     courses used to satisfy the major.
   12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in resi-
     dency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit
     by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, the
     CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ Interested students should consult with the undergraduate program
  coordinator.

Related Programs
■ Health Services Administration
■ Psychology
■ Social Work
■ Exceptional Student Education

Certificates
■ None

Related Minors
■ Exceptional Education
■ Early Childhood Education
■ Aging Studies
■ Health Services Administration
■ Interpersonal/Organizational Communication
■ Linguistics
■ Psychology
■ Spanish

Advising Notes
■ Certification in speech-language pathology by the American Speech-
  Language-Hearing Association and licensure by the State of Florida
  Department of Health, Division of Medical Quality Assurance requires a
  master’s degree in Communication Sciences and Disorders.

Transfer Notes
■ “D” (1.0) grades are not accepted
■ Courses taken at community colleges do not substitute for Upper
  Division courses
■ Courses transferred from private and out-of-state schools must be
  evaluated for equivalency credit. The student must provide all supporting
  information.
■ Students may take STA 2014C or STA 2023 to fulfill the first part of
  the statistics requirement

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study

Freshman Year - Fall 16 hrs
ENC 1101  Composition I  3 hrs
PSY 2012  General Psychology  3 hrs
BSC 1005L  Biological Principles Laboratory  1 hr
BSC 1005  Biological Principles  3 hrs
Free Elective  3 hrs

Select 1:  3 hrs
ARH 2050  History of Western Art I or
ARH 2051  History of Western Art II or
MUL 2010  Enjoyment of Music or
THE 2000  Theatre Survey or
REL 2300  World Religions or
PHI 2010  Introduction to Philosophy or
LIT 2110  World Literature I or
LIT 2120  World Literature II or
FIL 1000  Cinema Survey  3 hrs

Freshman Year - Spring 15 hrs
ENC 1102  Composition II  3 hrs
DEP 2004C  Developmental Psychology  3 hrs

Select 1:  3 hrs
PHY 2XXX (Physics Course)  3 hrs

Select 1:  3 hrs
ECO 2013  Principles of Macroeconomics or
ECO 2023  Principles of Microeconomics or
POS 2041  American National Government  3 hrs

Select 1:  3 hrs
EUH 2000  Western Civilization I or
HUM 2210  Humanistic Tradition I or
AMH 2010  U.S. History: 1492-1877  3 hrs

Sophomore Year - Fall 15 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
SPA 3471  Communication Disorders in Literature and
  Media  3 hrs
Free Elective  3 hrs

Select 1:  3 hrs
EUH 2001  Western Civilization II or
HUM 2230  Humanistic Tradition II or
AMH 2020  U.S. History: 1877-Present  3 hrs

Select 1:  3 hrs
MGF 1106  Finite Mathematics or
MAC 1105C  College Algebra  3 hrs

Sophomore Year - Spring 13 hrs
■ Students taking American Sign Language (ASL) to satisfy B.A. for-
  eign language requirement must complete three semesters of ASL.

SPA 3112  Basic Phonetics  3 hrs
SPA 3112L  Basic Phonetics Lab  1 hr
Foreign Language I (B.A.) or Health Sciences (B.S.) elec-
  tive

Select 1:  3 hrs
EAB 3703C  Principles of Behavior Modification or
EDF 3303  Learning Environments and Guidance for
  Young Children or
EEX 4601  Introduction to Behavior Management or
ECE 4604  Classroom Management and Guidance of
  Young Children or
SPA 3472  Guidance of Young Children with
  Communication Disorders  3 hrs

Select 1:  3 hrs
STA 2014C  Principles of Statistics or
STA 2023  Statistical Methods I  3 hrs

Sophomore Year - Summer  9 hrs
■ Students taking American Sign Language (ASL) to satisfy B.A. for-
  eign language requirement must complete three semesters of ASL.
  Foreign Language II (B.A.) or Health Sciences (B.S.) elec-
  tive
Free Elective  3 hrs
### UCF Degree Programs

#### Computer Engineering (B.S.P.E.)

**College of Engineering and Computer Science**  
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346  
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)  
E-mail: undergraduate@eecs.ucf.edu  
Dr. Samuel Richie  
Charlese Hilton-Brown  
407-823-3327

#### Admission Requirements

- None

#### Degree Requirements

1. **UCF General Education Program (GEP)**  
   (38 hrs)
   - UCF General Education Program (GEP) is described in this catalog.  
   - Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

#### A: Communication Foundations  
(9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101</td>
<td>3</td>
</tr>
<tr>
<td>Required ENC 1102</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Suggested SPC 1603</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested SPC 1608</td>
<td>3</td>
</tr>
</tbody>
</table>

#### B: Cultural & Historical Foundations  
(9 hrs)

- Select two courses from Historical Foundations 6 hrs  
- Select one class from Cultural Foundations 3 hrs

#### C: Mathematical Foundations  
(7 hrs)

- Required MAC 2311  
- Calculus with Analytic Geometry I 4 hrs
- Required STA 3032  
- Probability and Statistics for Engineers 3 hrs

#### D: Social Foundations  
(6 hrs)

- Select 1:  
  - Prefer ECO 2013 Principles of Microeconomics 3 hrs  
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
- Select one class from Social Foundations 3 hrs

#### E: Science Foundations  
(7 hrs)

- Required PHY 2048C  
- Physics for Engineers & Scientists I 4 hrs
- Select one course from Science Foundations 3 hrs

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

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. To enroll in CpE major courses, a 2.0 (C or better) in each course is required for those course indicated.

#### Services section for more information:

1. MAC 2311 Calculus with Analytic Geometry I  
   - GEP
1. MAC 2312 Calculus with Analytic Geometry II  
   - GEP
1. MAC 2313 Calculus with Analytic Geometry III  
   - GEP
1. MAP 2302 Differential Equations  
   - GEP
1. PHY 2048C Physics for Engineers & Scientists I  
   - GEP
1. PHY 2049C Physics for Engineers & Scientists II  
   - GEP

**Select 1:**

- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs  
- CHM 2045C Chemistry Fundamentals I 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1003C</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>1</td>
</tr>
</tbody>
</table>

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

**Engineering Core**  
6 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3321</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3358</td>
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</table>

**Courses Required for the Major**  
48 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3100C</td>
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</tr>
<tr>
<td>COP 3502C</td>
<td>3</td>
</tr>
<tr>
<td>COP 3503C</td>
<td>4</td>
</tr>
<tr>
<td>COP 3330</td>
<td>3</td>
</tr>
<tr>
<td>COP 4331C</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3123C</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3307C</td>
<td>4</td>
</tr>
<tr>
<td>EEL 3342C</td>
<td>3</td>
</tr>
<tr>
<td>EEL 3801C</td>
<td>3</td>
</tr>
<tr>
<td>EEL 4742C</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4768C</td>
<td>4</td>
</tr>
<tr>
<td>EEL 4781</td>
<td>3</td>
</tr>
<tr>
<td>COP 4600</td>
<td>3</td>
</tr>
</tbody>
</table>
UCF Degree Programs

5. Restricted Electives (9 hrs)
   - Technical electives are available in the BSCEpE program to address specific student interests in a variety of technical areas such as Software Engineering. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements (6 hrs)
   - EEL 4914 Senior Design I
   - EEL 4915L Senior Design II

7. Foreign Language Requirements
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

8. Electives
   - None

9. Additional Requirements
   - Computer engineering students must earn at least 32 hours in residence at UCF.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residence at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors In Major
- None

Related Programs
- Computer Science
- Electrical Engineering
- Information Technology
- Mathematics - Engineering/Physics Track
- Physics

Certificates
- None

Related Minors
- Information Technology
- Computer Science
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership
- Mathematics
- Physics

Advising Notes
- Each engineering student should meet regularly with an academic advisor in the major department.
- Students are assumed to have knowledge of a higher level programming language (C preferred).
- The Computer Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

Transfer Notes
- Courses 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 1007C Introduction to the Engineering Profession 1 hr
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- GEP: Historical Foundation 3 hrs
- GEP: Science Foundation 3 hrs

Freshman Year - Spring
- EGN 1007C Engineering Concepts and Methods 1 hr
- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- COP 3223 Introduction to Programming with C 3 hrs

Sophomore Year - Fall
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- COT 3000C Introduction to Discrete Structures 3 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- GEP: Historical Foundation 3 hrs

Sophomore Year - Spring
- EEL 3004 Electrical Networks 3 hrs
- EEE 3342C Digital Systems 3 hrs
- MAP 2302 Differential Equations 3 hrs
- ENC 1102 Composition II 3 hrs

Select 1: 4 hrs
- 1 CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs

1 Preferred

Sophomore Year - Summer
- EEL 3123C Networks and Systems 4 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP: Cultural Foundation 3 hrs

Junior Year - Fall
- COP 3330 Object Oriented Programming 3 hrs
- COP 3502C Computer Science I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs
- EEE 3307C Electronics I 4 hrs

Select 1: 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3358 Thermo-Flows-Heat Transfer 3 hrs

Junior Year - Spring
- COP 3533C Computer Science II 4 hrs
- EEL 4742C Embedded Systems 4 hrs
- COP 4331C Processes for Object-Oriented Software Development 4 hrs
- GEP: Social Foundation 3 hrs

Senior Year - Fall
- EEL 4768C Computer Architecture 4 hrs
- EEL 4914 Senior Design I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Senior Year - Spring
- COP 4600 Operating Systems 3 hrs
- EEL 4915L Senior Design II 3 hrs
- EEL 4781 Computer Communication Networks 3 hrs
- Restricted Elective 3 hrs
UCF Degree Programs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes)
- for undergraduate programs are located at:
  http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

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

Computer Science (B.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu

E-mail: undergraduate@eecs.ucf.edu
Dr. Ali Orooji
407-823-3327

Admission Requirements
- Foundation Examination: Prior to taking courses beyond basic core requirements, students must pass a foundation exam (COT 3960) which covers problem solving techniques, algorithms, abstraction, proofs, and programming language skills. Texts 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)

   - Required: ENC 1101 Composition I 3 hrs
   - Required: ENC 1102 Composition II 3 hrs

   Select 1:
   - Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

2. Cultural & Historical Foundations (9 hrs)

   - Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs

3. Mathematical Foundations (7 hrs)

   - Required: STA 2023 Statistical Methods I 3 hrs

4. Social Foundations (6 hrs)

5. Science Foundations (8 hrs)

   - Prefer BSC 2010C Biology I 4 hrs
   - Prefer PHY 2048C Physics for Engineers & Scientists I 4 hrs

6. Core Requirements: Basic Level (25 hrs)

   - A “C” (2.0) or better is required in all courses in this area.
   - STA 2023 Statistical Methods I GEP
   - COP 3330 Object Oriented Programming 3 hrs
   - COP 3502C Computer Science I 3 hrs
   - COP 3503C Computer Science II 4 hrs
   - ENC 3241 Writing for the Technical Professional 3 hrs
   - CDA 3103 Computer Logic and Organization 3 hrs
   - COT 3100C Introduction to Discrete Structures 3 hrs
   - CIS 3360 Security in Computing 3 hrs
   - COP 3402 Systems Software 3 hrs
   - COT 3960 CS Foundation Exam 0 hrs

7. Core Requirements: Advanced Level (20 hrs)

   - A “C” (2.0) or better is required in all courses in this area.
   - Students must maintain at least a 2.5 GPA in the following courses.
   - Only the highest grade is used in the calculation.
   - COP 4331C Processes for Object-Oriented Development 4 hrs
   - EEL 4768C Computer Architecture 4 hrs
   - COP 4020 Programming Languages I 3 hrs
   - COP 4600 Operating Systems 3 hrs
   - COT 4810 Topics in Computer Science 3 hrs

8. Restricted Electives (15 hrs)

   - A “C” (2.0) or better is required in all courses in this area.
   - 4000-5000 level Computer Science courses 9 hrs
   - Must be offered by Computer Science at UCF. At most 3 hours of independent study allowed. No internship or cooperative education credits are allowed. Approved IT courses offered by Computer Science may also be used toward this requirement (3 credits).

Advanced mathematics or statistics 6 hrs

   - Choose at least two courses from the following list of approved choices to satisfy this requirement:
     - Any 4000-5000 level courses with STA, MAP, MAA, MAD or MAS prefixes, except independent study hours, internship, or cooperative education hours.
     - MAC 2313 Calculus with Analytic Geometry III 4 hrs
     - MAP 2302 Differential Equations 3 hrs
     - MAS 3105 Matrix and Linear Algebra 4 hrs
     - MAS 3106 Linear Algebra 4 hrs

9. Capstone Requirements

   - None

7. Foreign Language Requirements

   - Admissions
     - Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
     - Graduation
     - Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

8. Electives

   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

   - None

10. Required Minors

11. Departmental Exit Requirements

   - Complete an exit survey
   - Computer Competency met by completion of major

12. University Minimum Exit Requirements

   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

   Total Semester Hours Required: 120
UCF Degree Programs

Honors In Major
None

Related Programs
- Computer Engineering
- Information Technology

Certificates
None

Related Minors
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Interdisciplinary Informatics Technology

Advising Notes
- The Computer Science program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated program section in the back of this catalog for more information.
- Acceptable Substitutes for Transfer Courses

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1603 Fundamentals of Technical Presentations 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- COP 3502C Computer Science I 3 hrs
- CDA 3103 Computer Logic and Organization 3 hrs
- COT 3960 CS Foundation Exam 0 hrs

Freshman Year - Summer
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- COP 3330 Object Oriented Programming 3 hrs

Sophomore Year - Fall
- COP 3402 Systems Software 3 hrs
- COP 3503C Computer Science II 4 hrs
- PHY 2049C Physics for Engineers and Scientists I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring
- COP 4351C Processes for Object-Oriented Software Development 4 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- CIS 3380 Security in Computing 3 hrs

Sophomore Year - Summer
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Junior Year - Fall
- EEL 4768C Computer Architecture 4 hrs
- COP 4020 Programming Languages I 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Junior Year - Spring
- COP 4600 Operating Systems 3 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- Math/Stat Restricted Elective 3 hrs
- CS Restricted Elective 3 hrs

Junior Year - Summer
- COT 4210 Discrete Structures II 3 hrs

Senior Year - Fall
- COP 4501 Topics in Computer Science 3 hrs
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- CS Restricted Elective 3 hrs
- GEP 3 hrs
- Math/Stat Restricted Elective 3 hrs
- Multicultural Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are 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.

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

Construction Engineering (B.S.Con.E.)
College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II, Room: 211
http://www.cece.ucf.edu
Carol Ann Pohl, carol.pohl@ucf.edu
Dr. Amr A. Olouf, amr.oluuf@ucf.edu
407-823-2841

Admission Requirements
None

Degree Requirements (128 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.
- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, requirements section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)
The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select one class from Social Foundation Group 1 3 hrs
- Select one course from Social Foundation Group 2 3 hrs

E: Science Foundations (7 hrs)
- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
- Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)
- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs. Note: MAC 2311 and PHY 2048/48L also satisfy UCF GEP.
see "common prerequisites" in the transfer and transitions services section for more information.

- 
- a grade of "c" (2.0) or better is required in each course in this section.

mac 2311 calculus with analytic geometry i  
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 one of the following sequences of courses:

- preferred course
  chs 1440 fundamentals of chemistry for engineers  4 hrs

or - first alternative: select both of the following:
  - chm 2040 chemistry fundamentals ia and  3 hrs
  - chm 2041 chemistry fundamentals ib  3 hrs

or - second alternative
  chm 2045c chemistry fundamentals i  4 hrs

3. core requirements: basic level  (2 hrs)

egn 1006c introduction to the engineering profession  1 hr
egn 1007c engineering concepts and methods  1 hr

4. core requirements: advanced level  (60 hrs)

1. 
1. egn 3310 engineering analysis-statics  3 hrs
1. egn 3321 engineering analysis-dynamics  3 hrs
1. egn 3331 mechanics of materials  3 hrs
1. sta 3032 probability and statistics for engineers  
gep
1. egn 3613 engineering economic analysis  2 hrs
1. env 3001 introduction to environmental engineering  3 hrs
1. cwr 3201 engineering fluid mechanics  3 hrs
1. cce 4003 introduction to the construction industry  3 hrs
1. cce 4034 construction estimating and scheduling  3 hrs
1. cce 4513 mechanical and electrical systems for buildings  4 hrs

cce 4402 construction equipment and productivity  3 hrs
1. cce 4404 construction methods  3 hrs
1. cgn 3501c civil engineering materials  3 hrs
1. cgn 3700c civil engineering measurements  4 hrs
1. cwr 4632c water resources engineering i  4 hrs
1. agc 2071 principles of managerial accounting  3 hrs
1. ces 4100c structural analysis i and lab  4 hrs

structural depth

ces 4605 steel structures or  3 hrs
ces 4702 reinforced concrete structures  3 hrs

additional area depth sequence

- geotechnical engineering

1. ceg 4011c geotechnical engineering i and  4 hrs
1. ceg 4012 geotechnical engineering ii  3 hrs

or - transportation engineering

tte 3810 highway engineering and  3 hrs
tte 4274 transportation engineering systems  3 hrs

1. a "c" (2.0) or better is required in this course.

5. restricted electives  (3 hrs)

- technical electives are available in the bscene program to address specific student interests in a variety of technical areas. students should consult the cec website and their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. capstone requirements  (6 hrs)

- required senior design courses

1. cce 4810c construction design project  3 hrs
1. cgn 4808c cce cece capstone design  3 hrs

1. a "c" (2.0) or better is required in this course.

7. foreign language requirements

admissions

- two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

graduation

- none

8. electives

- none

9. additional requirements

- construction engineering students must take the fundamentals of engineering (fe) exam during their senior year. applications must be received by the florida board of professional engineers approximately 6 months in advance of your exam date. the exam is offered in april and october only.

10. required minors

- none

11. departmental exit requirements

- none

12. university minimum exit requirements

- a 2.0 ucf gpa
- 60 semester hours earned after ctep awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at ucf
- a maximum of 45 hours of extension, correspondence, ctep, credit by exam, and armed forces 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

- mathematics
- engineering leadership
- business

advising notes

- each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
- the construction engineering program offers the opportunity for exceptionally well qualified undergraduates to enter directly into the phd program after completion of an appropriate bs degree. this option allows outstanding undergraduates to begin planning a research program with a specific faculty advisor even before finishing the bs, and may allow completion of the phd in a shorter time period than by taking a separate master's followed by the phd.
- courses taken from community colleges do not substitute for upper division courses unless part of an articulated pre-engineering degree program.

transfers 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.

eng 1101 composition i  3 hrs
gep 6 hrs
mac 2311 calculus with analytic geometry i  4 hrs
egn 1008c introduction to the engineering profession  1 hr
### Criminal Justice (B.A. / B.S.)

**Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311**


Mary Ann Eastep  
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)**
   - **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)**
- None

3. **Core Requirements: Basic Level**
- None

4. **Core Requirements: Advanced Level**
   - 15 additional semester hours of upper division criminal justice course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 27 additional semester hours of upper division criminal justice course work. Seniors may also be met by completing a minor from another program approved by the department with a minimum of 15 semester hours credit.

5. **Capstone Requirements**
- None

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**UCF Degree Programs**

<table>
<thead>
<tr>
<th>Freshman Year - Spring</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 1007C Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 1440 Fundamentals of Chemistry for Engineers</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EGN 3310 Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3613 Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Sophomore Year - Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3331 Mechanics of Materials</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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<tr>
<td>ENV 3001 Introduction to Environmental Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Sophomore Year - Summer</th>
<th>9 hrs</th>
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</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>
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<tr>
<td>EGN 3321 Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>17 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4100C Structural Analysis I and Lab</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4034 Construction Estimating and Scheduling</td>
<td>3 hrs</td>
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<tr>
<td>CCE 4813 Mechanical and Electrical Systems for Buildings</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCE 4004 Construction Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCE 4402 Construction Equipment and Productivity</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGN 3501C Civil Engineering Materials</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CGN 3700C Civil Engineering Measurements</td>
<td>4 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Concrete or Steel</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CES 4605 Steel Structures or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CES 4702 Reinforced Concrete Structures</td>
<td>3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
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</thead>
<tbody>
<tr>
<td>CCE 4810C Construction Design Project</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CWR 4632C Water Resources Engineering I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Approved Technical Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

**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
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
- Public Administration
- Psychology

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 2 hrs
- Select 1: 3 hrs
- MGF 1106 Finite Mathematics or 3 hrs
- MAC 1105C College Algebra 3 hrs
- Select 1: 3 hrs
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs
- Select 1: 3 hrs
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- CGS 1060C Introduction to Computer Science 3 hrs
- Select 1: 3 hrs
- PSC 1121 Physical Science or 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- Select 1: 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

Select 1: 3 hrs
- ARH 2050 History of Western Art I or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs

Select 1: 3 hrs
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- MCB 1310 Introduction to Biotechnology and Genetic Engineering or 3 hrs
- GLY 1030 Geology and its Applications or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- ANT 2511 The Human Species 3 hrs

Select 1: 3 hrs
- POS 2041 American National Government or 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Spring
- CCJ 3024 Criminal Justice System 3 hrs
- CCJ 3014 Crime in America 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Junior Year - Fall
- CJL 3510 Prosecution and Adjudication 3 hrs
- CJC 3014 Corrections and Penology 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- CJ Elective 3 hrs

Junior Year - Spring
- CJJ 4014 Police and Society 3 hrs
- CCJ 4701 Research Methods in Criminal Justice 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

Senior Year - Fall
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Senior Year - Spring
- 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective or CCJ Internship 3 hrs

Digital Media (B.A.)

College of Arts and Humanities

School of Visual Arts and Design, 12461 Research Parkway, 500 OTC

http://www.svad.cah.ucf.edu

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 understand-
UCF Degree Programs

ning 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 and DIG 4713 as noted.
■ Residency requirement consists of at least 24 hours of regularly scheduled upper division course work taken in the School of Visual Arts and Design at UCF.
■ Co-op or internship credits are not permitted in this major without prior written permission.
■ Students should see the School’s advisor prior to selecting this major, and at least annually thereafter.

1. UCF General Education Program (GEP) (37 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Take all of the following: 9 hrs
Required ARH 2050 History of Western Art I and 3 hrs
Required ARH 2051 History of Western Art II and 3 hrs
Select one additional course from approved list 3 hrs
C: Mathematical Foundations (7 hrs)
Required COP 2500C Concepts in Computer Science 4 hrs
1 Required MAC 1105C College Algebra 3 hrs
1 (May substitute more advanced version)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)
ARH 2050 History of Western Art I GEP
ARH 2051 History of Western Art II GEP
ART 2201C Design Fundamentals-Two Dimensional 3 hrs
ART 2300C Drawing Fundamentals I 3 hrs
COP 2500C Concepts in Computer Science GEP
MAC 1105C College Algebra GEP

3. Core Requirements: Basic Level (12 hrs)
■ Admission to all courses after DIG 2000 is dependent on the student’s achieving at least a “B’ (3.0) in DIG 2000.
Digital Media Core: Basic
DIG 2000 Introduction to Digital Media 3 hrs
DIG 2030C Digital Video Fundamentals 3 hrs
DIG 2109C Digital Imaging Fundamentals 3 hrs
DIG 2500C Fundamentals of Interactive Design 3 hrs
4. Core Requirements: Advanced Level (12 hrs)
Digital Media Core: Advanced
DIG 3024 Digital Cultures & Narrative 3 hrs
DIG 3480C Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs
Game Design: Basic Concentration 24 hrs
COE 3223 Introduction to Programming with C and 3 hrs
COE 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:
■ NOTE: DIG 4725C must be taken at least two times. It is repeatable for credit.
12 Additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level courses approved by the school. and
DIG 4725C Game Design Workshop 6 hrs

Web Design 42 hrs
Web Design: Basic Concentration 24 hrs
DIG 3134 Media Software Design and 3 hrs
DIG 3563 Information Management and 3 hrs
Entrepreneurship and 3 hrs
DIG 3716C Internet Interaction and 3 hrs
GRA 3803C Intermediate Computer Graphic Design 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 3 hrs

Web Design: Restricted Electives 18 hrs
■ Complete 18 hours of credits from the following areas:
■ Note: DIG 4104C must be taken at least two times. It is repeatable for credit.
12 additional hrs of 3000 or 4000 level courses from ART, ARH, FIL, GRA, DIG or any 3000 or 4000 level digital media courses approved by the school. and
DIG 4104C Web Design Workshop 6 hrs

5. Restricted Electives
■ None

6. Capstone Requirements
■ None

7. Foreign Language Requirements
Admissions
■ Met by graduation requirement.
Graduation
■ Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages. Standardized examinations for foreign languages may be used to meet the require-
ment.
8. Electives
■ Electives may be taken in allied programs such as Art, Music, Philosophy, English, Film, the Nicholson School of Communication, Computer Science, etc. as approved by the School.
9. Additional Requirements
■ None
10. Required Minors
■ None
11. Departmental Exit Requirements
■ None
12. University Minimum Exit Requirements
■ A 2.0 UCF GPA
■ 60 semester hours earned after CLEP awarded
■ 48 semester hours of upper division credit completed
■ 30 of the last 39 hours of course work must be completed in resi-
dency at UCF
■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors In Major
■ None

Related Programs
■ Computer Science
■ English - Creative Writing
■ English - Literature
■ English - Technical Communication
■ Film - Cinema Studies Track
■ Music

Certificates
■ None
Related Minors
- Art - Studio
- Information Technology
- Computer Science
- English - Technical Communication
- Film - Cinema Studies
- Music

Advising Notes
- None

Transfer Notes
- Grades less than ‘C’ (2.0) are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/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/eece/
E-mail: ece@mail.ucf.edu
Dr. Judy Levin, ED 122L, jlevin@mail.ucf.edu
407-823-4615

EDUCATION: PRE-KINDERGARTEN-PRIMARY (PK-3) TRACK Early Childhood Development and Education majors take a variety of courses related to young children and their learning, development, and family environment. Students in the Education: Pre-Kindergarten-Primary (Pre-K-3rd) Track are working toward teacher certification in Pre-Kindergarten-Primary (PK-3) with ESOL Endorsement and Reading Endorsement. Students in this track take a series of core and specializa
tions to prepare them to teach in the schools and to demonstrate mastery of the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the students in this track with an integration of theory and practice in school settings. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long internship.

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Pass all four parts of the General Knowledge Test and CLAS Certification Examination (FTCE). See http://www.frobe.org for available test dates and test sites. FTCE General Knowledge Test (GKT) (if CLAS was used for admission) passing scores on the GKT is required prior to admission to the major. FTCE Professional Education Test (PED) and Subject Area Examination (SAE-Prekindergarten/Primary PK-3) - passing scores strongly recommended prior to application for Internship.
- 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)

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 REL 2300 World Religions or 3 hrs
- Prefer PHI 2101 Introduction to Philosophy or 3 hrs
- Prefer LIT 2110 World Literature I or 3 hrs
- Prefer LIT 2120 World Literature II 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

D: Social Foundations (6 hrs)
- Select 1: 3 hrs
- Suggested MGF 1106 Finite Mathematics or 3 hrs
- Suggested MGF 1107 Explorations in Mathematics 3 hrs

E: Science Foundations (6 hrs)
- Select 1: 3 hrs
- Prefer ANT 2522 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
- EDC 2100 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
## UCF Degree Programs

### 4. Core Requirements: Advanced Level (60 hrs)
- All methods/specialization/foundations courses must be completed with a letter grade of “C” (2.0) or better before registering for Internship.
- A minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Internship.
- The Student Teaching Experience is recommended to be taken during Semester III.

### Semester I (15 hrs)
- Pass an examination to the major.
- EEC 3700 Social and Emotional Development of Young Children (3 hrs)
- EEC 4661 Early Childhood Education Theory and Practice (3 hrs)
- RED 3310 Early Reading, Writing and Language Arts (3 hrs)
- EEX 4751 Parent Involvement in Education (3 hrs)
- TSL 4080 Theory and Practice of Teaching ESOL (3 hrs)

### Semester II (15 hrs)
- Pass an examination to the major.
- EEC 4604 Classroom Management and Guidance of Young Children (3 hrs)
- EEC 4207 Assessment and Evaluation of Young Children (3 hrs)
- TSL 4240 Issues in Second Language Acquisition (3 hrs)
- EEC 4268 Curriculum Activities in Early Childhood (3 hrs)
- EEX 3450 Young Children With Special Needs (3 hrs)

### Summer (6 hrs)
- Pass an examination to the major.
- EEC 4303 Planning Creative Activities in Early Childhood Education (3 hrs)
- RED 3012 Basic Foundations of Reading (3 hrs)

### Semester III (12 hrs)
- Based on recommendations below, the student should achieve a passing score on all applicable sections of the Florida Teacher Certification Examination prior to entry into Student Teaching (EEC 4943 Internship).
- Students must apply and be approved for Internship. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.clinicalexperiences.education.ucf.edu/](http://www.clinicalexperiences.education.ucf.edu/)

- MAE 4300 Math Curriculum and Assessment in Early Childhood (3 hrs)
- SCE 4304 Teaching Science and Technology to Young Children (3 hrs)
- RED 4311 Primary Reading, Writing, and Language Arts Curriculum and Assessment (3 hrs)
- EEC 4235C Early Childhood Education Seminar: Bridging Theory to Practice (3 hrs)

### Semester IV (12 hrs)
- Satisfactory completion of Internship requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- EEC 4943 Student Teaching (12 hrs)

### Related Programs
- None

### Related Minors
- None

### Advising Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

### Freshman Year - Fall (12 hrs)
- EDF 2005 Introduction to the Teaching Profession (3 hrs)
- ENC 1101 Composition I (3 hrs)
- MGF 1106 Finite Mathematics (3 hrs)
- PSY 2012 General Psychology (3 hrs)

### Freshman Year - Spring (15 hrs)
- EDF 2085 Introduction to Diversity for Educators (3 hrs)
- ENC 1102 Composition II (3 hrs)
- MAC 1105C College Algebra (3 hrs)
- PSC 1121 Physical Science (3 hrs)

### Select 1:
- REL 2300 World Religions (3 hrs)
- PHI 2010 Introduction to Philosophy (3 hrs)
- LIT 2110 World Literature I (3 hrs)
- LIT 2120 World Literature II (3 hrs)

### Freshman Year - Summer (6 hrs)
- POS 2041 American National Government (3 hrs)

### Select 1:
- ARE 2000 Early Childhood Art and Creativity (3 hrs)
- MUE 2211 Early Childhood Music and Movement (3 hrs)

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- State University System foreign language admission requirement:
  - Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Achieve a minimum overall 2.75 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination. See [http://www.fldoe.org](http://www.fldoe.org) for test dates and test sites.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors In Major
- None

### Certificates
- None

### Related Programs
- None

### Related Minors
- None

### Advising Notes
- None

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None
### Sophomore Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 1005</td>
<td>Biological Principles or</td>
<td>3</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3</td>
</tr>
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</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics or</td>
<td>3</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3</td>
</tr>
<tr>
<td>GEP B1 Elective</td>
<td>(Prefer AMH 2010)</td>
<td>3</td>
</tr>
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### Sophomore Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>¹ EDF 2130</td>
<td>Child and Adolescent Development for Educators</td>
<td>3</td>
</tr>
<tr>
<td>¹ EDF 2720</td>
<td>Children in Schools: Legal, Ethical and Safety</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4731</td>
<td>Health, Safety, and Nutrition for Young Children</td>
<td>3</td>
</tr>
<tr>
<td>GEP B3 Elective</td>
<td>(Prefer AMH 2020)</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ Courses taken at community colleges may substitute for select courses with the permission of the department.

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 3700</td>
<td>Social and Emotional Development of Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4661</td>
<td>Early Childhood Education Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>RED 3310</td>
<td>Early Reading, Writing and Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>EEX 4751</td>
<td>Parent Involvement in Education</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL</td>
<td>3</td>
</tr>
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</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4604</td>
<td>Classroom Management and Guidance of Young Children</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4207</td>
<td>Assessment and Evaluation of Young Children</td>
<td>3</td>
</tr>
<tr>
<td>TSL 4240</td>
<td>Issues in Second Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4268</td>
<td>Curriculum Activities in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>EEX 3450</td>
<td>Young Children With Special Needs</td>
<td>3</td>
</tr>
</tbody>
</table>

### Junior Year - Summer

6 hrs

- Please note: It is strongly recommended to take the Professional Education Test (PED) portion of the FTCE prior to entering the Senior year, and the Pre-Kindergarten/Primary PK-3 Subject Area Examination portion of the FTCE prior to entry into student teaching (EEC 4943 Internship).

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4303</td>
<td>Planning Creative Activities in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>RED 3012</td>
<td>Basic Foundations of Reading</td>
<td>3</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

12 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAE 4300</td>
<td>Math Curriculum and Assessment in Early Childhood</td>
<td>3</td>
</tr>
<tr>
<td>SCE 4304</td>
<td>Teaching Science and Technology to Young Children</td>
<td>3</td>
</tr>
<tr>
<td>RED 4311</td>
<td>Primary Reading, Writing, and Language Arts</td>
<td>3</td>
</tr>
<tr>
<td>EEC 4235C</td>
<td>Early Childhood Education Seminar: Bridging Theory to Practice</td>
<td>3</td>
</tr>
</tbody>
</table>

### Senior Year - Spring

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEC 4943</td>
<td>Student Teaching</td>
<td>12</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/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/](http://education.ucf.edu/ece/)

E-mail: ece@mail.ucf.edu

Dr. Judy Levin, 222L, jlevin@mail.ucf.edu

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. Throughout the program, students document and reflect upon their accomplishments in a Professional Portfolio, which is continuously reviewed by faculty. This degree culminates in a semester-long practicum.

### Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university.
- Meet the CLAS requirement.
- Have a minimum 2.75 overall GPA, with provisional acceptance for one semester if GPA is 2.5 (GPA must be 2.75 by the second semester).
- Complete Child Development prerequisite courses with a minimum letter grade of “C” (2.0) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

### Degree Requirements

- Students must seek advising through the Early Childhood Development and Education staff in the Education Complex, Suite 122 or by e-mail(ece@mail.ucf.edu) prior to registering for classes.
- The courses designated in 1. (General Education) and 2. (Prerequisites) should be completed prior to admission to the major and upper division education courses.
- Students must earn a “C” (2.0) or better in each required Early Childhood Development and Education course. However, a minimum overall 2.75 GPA in all courses within the major is required.

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

- Students are advised to take the preferred courses.

#### A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ENC 1102 Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

#### B: Cultural & Historical Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>REL 2300 Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>REL 2310 World Literature I</td>
<td>3</td>
</tr>
<tr>
<td>REL 2320 World Literature II</td>
<td>3</td>
</tr>
</tbody>
</table>

#### C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106 Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MGF 1107 Explorations in Mathematics</td>
<td>3</td>
</tr>
</tbody>
</table>

#### D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 2012 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>POS 2041 American National Government</td>
<td>3</td>
</tr>
</tbody>
</table>

#### E: Science Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Required Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 1121 Physical Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs
UCF Degree Programs

2. Common Program Prerequisites (CPP) (6 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - DEP 2004C Developmental Psychology 3 hrs

3. Core Requirements: Basic Level (18 hrs)
   - MUE 2211 Early Childhood Music and Movement 3 hrs
   - ARE 2000 Early Childhood Art and Creativity 3 hrs
   - SYG 2010 Social Problems 3 hrs
   - Select 1:
     - EDF 2130 Child and Adolescent Development for Educators 3 hrs
     - SOW 3104 Assessing I: Human Development 3 hrs
   - Select two electives Meet with advisor for guidance in selecting electives

4. Core Requirements: Advanced Level (60 hrs)
   - All methods/specialization/foundations courses must be completed with a letter grade of "C" (2.0) or better before registering for Practicum: Early Childhood Development. However, a minimum GPA of 2.75 is required in the professional, specialization and overall for admission to Practicum: Early Childhood Development.
   - Semester I 15 hrs
     - EEC 3700 Social and Emotional Development of Young Children 3 hrs
     - EEC 4661 Early Childhood Education Theory and Practice 3 hrs
     - PET 3310 Early Reading, Writing and Language Arts 3 hrs
     - EEX 4751 Parent Involvement in Education 3 hrs
   - Semester II 15 hrs
     - EEC 4402 Cultural and Family Systems 3 hrs
     - EEC 4207 Assessment and Evaluation of Young Children 3 hrs
     - LAE 3414 Literature for Children 3 hrs
     - EEX 3450 Young Children With Special Needs 3 hrs
   - Summer 6 hrs
     - EEC 4303 Planning Creative Activities in Early Childhood Education 3 hrs
   - Semester III 12 hrs
     - EEC 4604 Classroom Management and Guidance of Young Children 3 hrs
     - EEC 4206 Parent-Child Relations 3 hrs
     - EEX 4751 Parent Involvement in Education 3 hrs
     - Select one Early Childhood Development Track Elective 3 hrs
       - Note: Students must consult with their advisor regarding approval for other elective options.
       - EEC 4288 Curriculum Activities in Early Childhood or EEC 4524 Organization and Management in Early Childhood or EEC 3604C Cognitive Psychology or PFO 3041 Games Analysis or PET 3820 Teaching Sports Skills I or PET 4640 Adapted Physical Education or PET 4710 Methods for Physical Activity for Children and Adolescents or TSL 4080 Theory and Practice of Teaching ESOL or SOW 4650 Child Abuse: Treatment and Prevention or SOW 4654 Children's Services 3 hrs
   - Semester IV 12 hrs
     - EEC 4940 Practicum: Early Childhood Development 12 hrs

5. Restricted Electives
   - None

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - State University System foreign language admission requirement:
     - Two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
   - Graduation
     - None
   - 8. Electives
     - None
   - 9. Additional Requirements
     - None
   - 10. Required Minors
     - None
   - 11. Departmental Exit Requirements
     - Achieve a minimum overall 2.75 GPA in all courses within the major.
     - Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency.
   - 12. University Minimum Exit Requirements
     - A 2.0 UCF GPA
     - 60 semester hours earned after CLEP awarded
     - 48 semester hours of upper division credit completed
     - 30 of the last 39 hours of course work must be completed in residency at UCF
     - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
     - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
   - Total Semester Hours Required
     - 120

Honors In Major
   - None

Related Programs
   - None

Certificates
   - None

Related Minors
   - None

Advising Notes
   - In addition to EDF 2085, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

Transfer Notes
   - Courses taken at community colleges may substitute for select courses in prerequisites with the permission of the department.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study
   - Note: This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

Freshman Year - Fall 12 hrs
   - EDF 2085 Introduction to Diversity for Educators 3 hrs
   - ENC 1101 Composition I 3 hrs
   - MGF 1106 Finite Mathematics 3 hrs
   - Select Elective if needed 3 hrs

Freshman Year - Spring 15 hrs
   - ENC 1102 Composition II 3 hrs
   - SYG 2010 Social Problems 3 hrs
   - PSY 2102 General Psychology 3 hrs
   - PSC 1121 Physical Science 3 hrs
   - Select 1: 3 hrs
     - REL 2300 World Religions or PHI 2108 Introduction to Philosophy or LIT 2110 World Literature I or LIT 2120 World Literature II 3 hrs

Freshman Year - Summer 6 hrs
   - ARE 2000 Early Childhood Art and Creativity 3 hrs
   - MUE 2011 Early Childhood Music and Movement 3 hrs
The Bachelor of Arts in Economics is designed for students who wish to receive specialized training in Economics within a broad liberal arts education. Flexibility to select from a variety of courses allows students to customize their education to their personal interests and career goals. These courses can be coupled with a minor from many different Colleges to create a unique program for each student. An Economics degree provides skills and training for careers in business, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law, and public administration. Successful completion of this program leads to the Bachelor of Arts degree with a major in Economics. Not eligible for a double degree with the BSBA in Economics.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog requirements.
- Students should consult with the major advisor for the Department.
- General Education Program and Common Program Prerequisite courses are usually completed in the first 60 hours.

### 1. UCF General Education Program (GEP)

#### A: Communication Foundations
- Select 1: SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations
- Select one of the following:
  - STA 2014C Principles of Statistics or
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

#### C: Mathematical Foundations
- Required STA 2023 Statistical Methods I 3 hrs

#### D: Social Foundations
- Select one of the following:
  - Suggested ECO 2023 Principles of Microeconomics 3 hrs
  - or
  - Suggested ECO 2013 Principles of Macroeconomics 3 hrs

#### E: Science Foundations
- Suggested SYG 2000 Introduction to Sociology 3 hrs

### 2. Common Program Prerequisites (CPP)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

### 3. Core Requirements: Basic Level
- None

### 4. Core Requirements: Advanced Level
- Students must receive a “C” (2.0) or better in MAC 2233 and STA 2023 to be waived from ECO 3401

### 5. Restricted Electives
- All B.A. Economics majors will be required to take a minimum of six (6) electives by choosing from the following:
  - ECO 3223 Money and Banking 3 hrs
  - ECO 3410 Mathematical Economics 3 hrs
UCF Degree Programs

ECO 3703  International Microeconomics  3 hrs
ECO 3704  Global Economic Policy  3 hrs
ECO 4303  History of Economic Thought  3 hrs
ECO 4412  Econometrics  3 hrs
ECO 4504  Public Economics  3 hrs
ECO 4713  International Macroeconomics  3 hrs
ECO 4751  Law and Economics  3 hrs
ECP 3203  Labor Economics  3 hrs
ECP 4303  Environmental and Natural Resource Economics  3 hrs
ECP 4403  Industrial Organization and Game Theory  3 hrs
ECS 4013  Development Economics  3 hrs

For those students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:

ECP 3410  Mathematical Economics  3 hrs
ECO 3703  International Microeconomics  3 hrs
ECP 4412  Econometrics  3 hrs
ECO 4504  Public Economics  3 hrs
ECP 4403  Industrial Organization and Game Theory  3 hrs

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   None

10. Required Minors
    Students may select a minor from any of the authorized minors listed in the UCF Undergraduate Catalog. Students are strongly encouraged to consult with an advisor about the choice of a minor that is compatible with their career interests.

11. Departmental Exit Requirements
    - Students majoring in Economics must earn a grade of "C" (2.0) or better in every course applied towards the major as well as a 2.0 overall average in the major.
    - Computer Competency met by Research Methods course.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   120

Honors In Major
   None

Related Programs
   Economics, Business

Certificates
   None

Related Minors
   - Computer Science
   - Legal Studies
   - Mathematics
   - Political Science
   - Psychology
   - Sociology
   - Statistics

Advising Notes
   None

Transfer Notes
   - Courses taken at community colleges do not substitute for Upper Division courses.
   - Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
   - ECO 2013 and 2023 are prerequisites for all subsequent economics courses.

Acceptable Substitutes for Transfer Courses
   None

Plan of Study

Freshman Year - Fall 15 hrs
Free Elective  3 hrs
ENC 1101  Composition I  3 hrs
MAC 1140  Pre-Calculus Algebra  3 hrs
SPC 1601  Fundamentals of Oral Communication  3 hrs
(1 or Calculus)

Sophomore Year - Fall 15 hrs
ECO 2013  Principles of Microeconomics  3 hrs
ENC 1102  Composition II  3 hrs
STA 2023  Statistical Methods I  3 hrs

Sophomore Year - Spring 15 hrs
ECO 3101  Intermediate Microeconomics  3 hrs

Junior Year - Fall 15 hrs
ECON Elective  3 hrs

Junior Year - Spring 15 hrs
ECON Elective  3 hrs

Senior Year - Fall 15 hrs
ECO Elective / Minor  3 hrs

Senior Year - Spring 15 hrs
ECO Elective / Minor  3 hrs

1 18 hours (minimum) of minor required.
2 (or STA 4163 or STA4321)

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 3020, mcaputo@bus.ucf.edu, 407-823-1405
David Scrogg, BA2 302U, 407-823-4129
Nora Underwood, BA2 302N, 407-823-1403
407-823-3266

The Business Economics major for the Bachelor of Science in Business Administration is designed for students who wish to receive specialized training in Economics along with core skills in business administration. Flexibility to select from a variety of courses allows students to customize their education program to their personal interests and career goals. This degree provides skills and training for careers in business and industry, law, government, politics, teaching, research, and a variety of other areas. This degree also provides a strong foundation for future graduate studies in business, economics, law and public administration. Successful completion of this program leads to the Bachelor of Science in Business Administration degree with a major in Economics.

Admission Requirements
- Students must complete a "C" (2.0) or better in each common program prerequisite.
- Students must have a "C" (2.0) or better in each common program prerequisite.

Required Major Courses (9 hrs)
- ECO 2013 Principles of Macroeconomics
- ECO 2023 Principles of Microeconomics

Select one of the following sequences of courses:
- ECO 3401 Quantitative Business Tools I
- MAC 2233 Concepts of Calculus and
- STA 2023 Statistical Methods I

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Suggested: ECO 2013 Principles of Macroeconomics
   - Suggested: ECO 2023 Principles of Microeconomics

   Select 1:
   - Suggested ECO 2013 Principles of Macroeconomics
   - Suggested ECO 2023 Principles of Microeconomics

   B: Cultural & Historical Foundations (9 hrs)
   - Required: GGS 2100C Computer Fundamentals for Business
   - Required: MAC 1140 Pre-Calculus Algebra

   C: Mathematical Foundations (6 hrs)
   - Required: MAC 2233  Concepts of Calculus
   - Suggested: SYG 2000 Introduction to Sociology
   - Suggested: PSY 2012 General Psychology
   - Suggested: ANT 2000 General Anthropology

   Select 1:
   - Suggested ANT 2000 General Anthropology
   - Suggested PSY 2012 General Psychology
   - Suggested SYG 2000 Introduction to Sociology

   D: Social Foundations (6 hrs)
   - Required: MAC 2233  Concepts of Calculus
   - Suggested: MAC 2233  Concepts of Calculus

   E: Science Foundations (6 hrs)
   - Required: ECO 2013 Principles of Macroeconomics
   - Suggested: ECO 2013 Principles of Macroeconomics

   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.

   4. Core Requirements: Advanced Level (32 hrs)
   - BUL 3130 Legal and Ethical Environment of Business
   - ECO 3411 Quantitative Business Tools II
   - FIN 3403C Business Finance
   - GEB 3031 Cornerstone: Professional Skills for Business
   - GEB 3031L Cornerstone Lab: Professional Skills for Business
   - GEB 3375 Introduction to International Business
   - MAN 3026 Management of Organizations
   - MAR 3023 Marketing
   - MAR 3023 Supply Chain Management

   5. Restricted Electives (15 hrs)
   - ECO 3203 Intermediate Microeconomics
   - ECO 3203 Intermediate Macroeconomics
   - ECO 4451 Research Methods in Economics

   For students interested in preparing for graduate school in Economics and other graduate studies, the following courses are strongly recommended:
   - ECO 3101 Mathematical Economics
   - ECO 3703 International Microeconomics
   - ECO 4412 Econometrics
   - ECO 4504 Public Economics
   - ECO 4713 International Macroeconomics
   - ECO 4751 Law and Economics
   - ECP 3203 Labor Economics
   - ECP 4303 Environmental and Natural Resource Economics
   - ECP 4403 Industrial Organization and Game Theory
   - ECS 4013 Development Economics

   6. Capstone Requirements (4 hrs)
   - MAN 4720 Strategic Management

   This course is taken in the graduating term and requires the following prerequisites:
   - FIN 3403C Business Finance
   - GEB 3031 Cornerstone: Professional Skills for Business
   - GEB 3031L Cornerstone Lab: Professional Skills for Business
   - MAN 3025 Management of Organizations
   - MAR 3023 Marketing

   7. Foreign Language Requirements
   - None

   8. Electives
   - Variable

   9. Additional Requirements
   - None

   Special College and/or Departmental Requirements
   - 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 prerequisite class.
   - Final exams will be given during Exam Week.
   - Students must have at least a 2.0 GPA in the COB and major.
UCF Degree Programs

- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Students majoring in Business Economics must earn a grade of "C" (2.0) or better in each ECO, ECP, ECS course and in each course applied towards the major as well as a 2.0 overall average in the major.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the 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

Economics
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021- Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

Business Economics

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1140 Pre-Calculus Algebra 3 hrs
- 3 "C" (2.0) or better grade required in each class

Freshman Year - Spring
- ECO 2023 Principles of Macroeconomics 3 hrs
- ENC 1102 Composition II 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- 3 "C" (2.0) or better grade required in each class

Sophomore Year - Fall
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- 3 "C" (2.0) or better grade required in each class

Sophomore Year - Spring
- ECO 3101 Intermediate Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- 3 "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
- MAR 3023 Marketing 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs

Junior Year - Spring
- GEB 3375 Introduction to International Business 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Spring
- ECO 4451 Research Methods in Economics 3 hrs
- MAN 4720 Strategic Management 4 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Electrical Engineering (B.S.E.E.)

College of Engineering and Computer Science

Department of Electrical Engineering and Computer Science

E-mail: undergraduate@eecs.ucf.edu
Dr. Samuel Richie
Charlese Hilton-Brown
407-823-3327

Admission Requirements
- None

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- The UCF General Education Program (GEP) is described in the section, General Education Program, found elsewhere in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A through E below to minimize excess hours. Students transferring to UCF from within the Florida State University/ Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations
- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs

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### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (2 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the courses required for the major, technical elective courses, and with the senior design courses. Independent study courses generally do not satisfy major requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (53 hrs)

<table>
<thead>
<tr>
<th>Courses Required for the Engineering Core (12 hrs)</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3310 Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3420 Engineering Analysis</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032 Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 3101 Physics for Engineers and Scientists III</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1: (3 hrs)</th>
<th>Courses Required for the Major (41 hrs)</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3304 Electrical Networks</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEL 3123C Networks and Systems</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>EEE 3350 Semiconductor Devices I</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEE 3307C Electronics I</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>EEE 3342C Digital Systems</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEL 3470 Electromagnetic Fields</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEL 3552C Analog and Digital Communication</td>
<td>4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1: (3 hrs)</th>
<th>Courses Required for the Major (41 hrs)</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEL 3567 Linear Control Systems</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEL 3801C Computer Organization</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEE 4309C Electronics II</td>
<td>4 hrs</td>
<td></td>
</tr>
<tr>
<td>EEL 4750 Digital Signal Processing Fundamentals</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>EEL 4742C Embedded Systems</td>
<td>4 hrs</td>
<td></td>
</tr>
</tbody>
</table>

### 5. Restricted Electives (10 hrs)

- Technical electives are available in the BSEE program to address specific student interests in a variety of technical areas such as microelectronics, wireless communication, and photonics. Students should consult with their academic advisor for the identification of courses that are approved technical electives and the terms when specific courses of this type are to be offered.

- **Technical Electives (10 hrs)**
  - Technical elective courses are to be selected by the student from department approved courses.

### 6. Capstone Requirements (6 hrs)

- **EE 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 residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 128

### Honors in Major

- None

### Related Programs

- **Computer Engineering**
- **Computer Science**
- **Mathematics - Engineering/Physics Track**
- **Physics**

### Certificates

- None

### Related Minors

- **Engineering Leadership**
- **Intelligent Robotic Systems (IRS) - Interdisciplinary**
- **Mathematics**
- **Physics**

### Advising Notes

- Each engineering student should meet with their academic advisor in the department of their major regularly.
- Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

- **The Electrical Engineering program offers the Accelerated BS/MS Program to students of high academic standing. This program allows up to twelve hours to be shared between the BS and MS degrees. See your department or the Accelerated Program section in the back of this catalog for more information.**

- Students are assumed knowledge of a higher level programming language (C preferred).

### Transfer Notes

- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
### Plan of Study

**Freshman Year - Fall** 14 hrs
- ENG 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** 15 hrs
- ENG 1007C Engineering Concepts and Methods 1 hr
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- ENC 1101 Composition I 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs

**Sophomore Year - Fall** 17 hrs
- ENC 1102 Composition II 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- EGN 3310 Engineering Analysis-Statics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Select 1: 3 hrs
  - ECO 2013 Principles of Macroeconomics 3 hrs
  - ECO 2023 Principles of Microeconomics 3 hrs

**Sophomore Year - Spring** 15 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs
- EEL 3004 Electrical Networks 3 hrs
- MAP 2302 Differential Equations 3 hrs
- EEL 3801C Computer Organization 3 hrs
- GEP: Cultural Foundation 3 hrs

**Sophomore Year - Summer** 10 hrs
- EEE 3342C Digital Systems 3 hrs
- EEL 3123C Networks and Systems 4 hrs
- GEP: Social Foundation 3 hrs

**Junior Year - Fall** 14 hrs
- EEE 3350 Semiconductor Devices I 3 hrs
- EEL 4742C Embedded Systems 4 hrs
- EEL 3552C Analog and Digital Communication 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** 17 hrs
- EEE 3307C Electronics I 4 hrs
- EEL 3657 Linear Control Systems 3 hrs
- CHS 1140 Fundamentals of Chemistry for Engineers 4 hrs
- ENC 3420 Engineering Analysis 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

**Senior Year - Fall** 16 hrs
- EEL 4750 Digital Signal Processing Fundamentals 3 hrs
- EEL 3470 Electromagnetic Fields 3 hrs
- EEL 4914 Senior Design I 3 hrs
- Approved Technical Elective 4 hrs
- GEP-Historical Foundation 3 hrs

**Senior Year - Spring** 13 hrs
- EEL 4915L Senior Design II 3 hrs
- EEE 4309C Electronics II 4 hrs
- Approved Technical Elective 3 hrs
- Approved Technical Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm](http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
3. Core Requirements: Basic Level (15 hrs)

Other Program Requirements 8 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
2 MAE 2801 Elementary School Mathematics 4 hrs
1 PET 2081 Wellness, Children, and Schools 1 hr

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.
2 MAC 1105 or MGF 1106 is a prerequisite for MAE 2801

Lower Division Electives 7 hrs

Students may select other electives but are advised to take the following courses to improve their preparation for the Subject Area Examination portion of the Florida Teacher Certification Examination: * MAC 1105 or MGF 1106 (if not taken for the General Education Program)
* One associated science lab (BSC 100SL or PSC 1121L) A second course from the preferred courses listed in the UCF General Education Program Section B2 above (ARH 2050, ARH 2051, or MUL 2050) 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
1 EDG 4410 Teaching Strategies and Classroom Management 3 hrs
2 EDF 4467 Learning Theory and Assessment 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
1 SCE 3310 Teaching Science in Elementary School 3 hrs
2 SSE 3312 Teaching Social Science in the Elementary School 3 hrs
LAE 4314 Language Arts in the Elementary School 3 hrs
1 RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
1 EEX 4070 Teaching Exceptional Students 3 hrs

1 Required prior to Internship I

Summer 6 hrs
1 EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
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 Florida Teacher Certification Examination (FTCE) is required before application to Internship I.

Passing score on the Professional Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment 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/.

ESOL Students in Schools.

Students must apply for Internship I. Students should not plan to take additional courses with Internship I block because of the intensity of the Internship I semester.

Semester IV (Internship II) 12 hrs

Passing score on the Subject Area Examination (Elementary Education K-6) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.

All methods/specialization/foundations courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.

Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/

Satisfactory completion of Internship II requires the student to 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.

EDE 4943 Internship II (Elementary) 12 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

None

8. Electives

None

9. Additional Requirements

None

10. Required Minors

None

11. Departmental Exit Requirements

Achieve a minimum overall 2.5 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 minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None

Related Programs

None

Certificates

None

Related Minors

None

Advising Notes

None

Transfer Notes

None

Acceptable Substitutes for Transfer Courses

None
UCF Degree Programs

Plan of Study

- This recommended sequence may vary at selected regional campus locations. Consult with your Education advisor and review your degree audit for more recent information.

**Freshman Year - Fall** 12 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs
- ENC 1101 Composition I 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- MAC 1105C College Algebra 3 hrs

**Freshman Year - Spring** 13 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- PSY 2012 General Psychology 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr

- 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 1010 U.S. History: 1492-1877 3 hrs
- BSC 1005 Biological Principles 3 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUL 2010 Enjoyment of Music 3 hrs

**Sophomore Year - Spring** 14 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs
- STA 2014C Principles of Statistics 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- 1 PET 2081 Wellness, Children and Schools 1 hr

- Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Junior Year - Fall** 15 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- LAE 3414 Literature for Children 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

**Junior Year - Spring** 15 hrs
- RED 4519 Diagnostic and Corrective Reading Strategies 3 hrs
- SCE 3310 Teaching Science in Elementary School 3 hrs
- SSE 3312 Teaching Social Science in the Elementary School 3 hrs
- LAE 4314 Language Arts in the Elementary School 3 hrs
- EEX 4070 Teaching Exceptional Students 3 hrs

**Junior Year - Summer** 6 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

**Senior Year - Fall** 12 hrs
- MAE 4326 How Children Learn Mathematics 3 hrs
- RED 4942 Practicum for Assessment and Instruction of Reading Internship I 3 hrs
- EDE 3942 Internship I (Elementary) 3 hrs

**Senior Year - Spring** 12 hrs
- RED 4943 Internship II (Elementary) 12 hrs

Program Academic Learning Compacts

- For undergraduate programs are located at: http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

English - Creative Writing (B.A.)
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy
407-823-5596

Admission Requirements

- none

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog
- Students must earn at least a “C” (2.0) in each required course
- Co-op or internship credit cannot be used in the major without prior approval from the department

- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours

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

A: Communication Foundations

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations

- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2120 World Literature II 3 hrs
- Select one class from 1.B.1 list 3 hrs

C: Mathematical Foundations

- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MGF 1106 Finite Mathematics 3 hrs

Suggested

- May substitute a higher level math.

D: Social Foundations

E: Science Foundations

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

1 ENC 1101 Composition I GEP
ENC 1102 Composition II GEP

1 See Transfer Notes for possible substitutions. See “Common Prerequisites” in the Transfer and Transition Services section for more information.

3. Core Requirements: Basic Level (9 hrs)

- CRW 3013 Creative Writing for English Majors 3 hrs
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

1 This is a prerequisite for all 4000 level AML, ENG, ENL, or LIT courses

4. Core Requirements: Advanced Level (12 hrs)

- Literary History Requirement
- Choose four courses total from these two groupings
- Select at least one of these pre-1865 literature courses.
- Note: Each semester, additional courses may satisfy these requirements. Check with an advisor for details.

Select 1: 3 hrs

- AML 3031 American Literature I or 3 hrs
- AML 3613 Narratives of Slavery or 3 hrs
- AML 4304 Whitman and His Heirs or 3 hrs
- ENL 2012 English Literature I or 3 hrs
- ENL 4220 English Renaissance Poetry and Prose or 3 hrs
- ENL 4230 18th Century Studies or 3 hrs
- 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
8. Electives
- Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

9. Additional Requirements
- None

10. Required Minors
- Journalism Studies

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses
- Computer Competency met by completion of CRW 3013

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- (9 hrs)
- Application and admission through the English Honors Committee and the Honors College
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hrs), Directed Readings (3 hrs), and Thesis hours (3 hrs).
- Successful completion and oral defense of Honors thesis

Related Programs
- English - Technical Communication
- English - Literature
- Certificates
- None

Related Minors
- Linguistics
- English - Technical Communication
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- 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
- ENC 1102 Composition II 3 hrs
- CHM 1020 Concepts in Chemistry 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

Sophomore Year - Fall
- LIT 2120 World Literature II 3 hrs
- PSY 2012 General Psychology 3 hrs
- SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- 1 Restricted Elective 3 hrs
- BSC 1005 Biological Principles 3 hrs
UCF Degree Programs

**Sophomore Year - Spring**
- CRW 3013 Creative Writing for English Majors 3 hrs
- AML 3031 American Literature I 3 hrs
- ENL 2012 English Literature I 3 hrs
- SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

**Junior Year - Fall**
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- AML 3041 American Literature II 3 hrs
- CRW 3211 Creative Nonfiction Writing 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Junior Year - Spring**
- ENL 2022 English Literature II 3 hrs
- CRW 3210 Fiction Writing Workshop 3 hrs
- CRW 4224 Advanced Nonfiction Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Fall**
- LIN 4105 History of the English Language 3 hrs
- CRW 4122 Advanced Fiction Writing Workshop 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring**
- CRW 3610 Writing Scripts 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oesas.ucf.edu/aic/academic_learning_compacts.htm

**English - Literature (B.A.)**
**College of Arts and Humanities**
**Department of English, Colbourn Hall, Room: 405**
http://english.cah.ucf.edu
**E-mail: english@mail.ucf.edu**

Dr. Patrick Murphy
407-823-5596

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit is not accepted in the major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.
- Courses designated in 1 (General Education Program) and 2 (Program Prerequisites) are usually completed in the first 60 hours.

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

**A: Communication Foundations**
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations**
- Prefer LIT 2110 World Literature I 3 hrs
- Prefer LIT 2122 World Literature II 3 hrs
- Select on class from 1.B.1 list 3 hrs

**C: Mathematical Foundations**
- Required MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

**D: Social Foundations**
- (6 hrs)

**E: Science Foundations**
- (6 hrs)

**2. Common Program Prerequisites (CPP)**
- ENC 1101 Composition I GEP
- ENC 1102 Composition II GEP

**3. Core Requirements: Basic Level** (6 hrs)
- ENC 3014 Theories and Techniques of Literature Study 3 hrs

**Choose one gateway course**
- CRW 3013 Creative Writing for English Majors or
- ENC 3241 Writing for the Technical Professional or
- CRW 3053 Theory & Practice of Creative Writing 3 hrs

**Select at least two pre-1865 literature courses** 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

**Select 2:**
- 6 hrs
  - AML 3031 American Literature I or
  - AML 3613 Narratives of Slavery or
  - AML 4304 Whitman and His Heirs or
  - ENL 2012 English Literature I or
  - ENL 2220 English Renaissance Poetry and Prose or
  - ENL 4230 18th Century Studies or
  - ENL 4240 English Romantic Writers or
  - LIT 4374 Literature of the Bible or
  - AML 3286 Early American Women’s Words or
  - AML 3640 Native American Literature or
  - ENL 3296 Gothic Literature or

**Select at least two post-1865 literature courses** 6 hrs
- Note: Each semester, additional courses may satisfy this requirement. Check with advisor for details.

**Select 2:**
- 6 hrs
  - AML 3041 American Literature II or
  - AML 3283 Contemporary American Women’s Fiction or
  - AML 3614 Topics in African-American Literature or
  - AML 3615 Harlem, Haiti, and Havana or
  - AML 3643 Contemporary Native American Prose and Poetry or
  - AML 4101 American Novel or
  - AML 4153 American Poetry at Mid-Century or
  - AML 4155 Modern American Poetry or
  - AML 4261 Literature of the South or
  - AML 4265 Florida Writers or
  - AML 4321 Modern American Literature or
  - AML 4630 Latino/Latina Literature or
  - ENL 2022 English Literature II or
  - ENL 4101 English Novel or
  - ENL 4253 The Victorian Age: Poetry or
  - ENL 4262 Nineteenth Century British Prose or
  - ENL 4273 Modern British Literature or
  - LIT 3030 Continental European Fiction Since 1900 or
  - LIT 3192 Caribbean Literature or
  - LIT 4043 Modern Drama As Literature or
  - LIT 4194 Irish Literature or
  - LIT 4303 Post-World War II Fiction or
  - LIT 3823 Hispanic Women Writers

**5. Restricted Electives** (15 hrs)
- Upper Division Requirements

**Choose one single author or major author course:** 3 hrs

**Select 1:**
- 3 hrs
  - AML 4300 Major American Authors or
  - ENL 4311 Chaucer or
  - ENL 4341 Milton and His Age or
Choose one linguistics or theory course: 3 hrs

Select 1:
- ENG 3010 Practical Criticism or 3 hrs
- LIN 3010 Principles of Linguistics or 3 hrs
- LIN 4105 History of the English Language or 3 hrs
- LIN 4643 Cross Cultural Communication or 3 hrs
- LIN 4660 Linguistics and Literature or 3 hrs
- LIN 4680 Modern English Grammar or 3 hrs
- LIT 4554 Advanced Feminist Theories 3 hrs

Three additional upper level courses 9 hrs
- AML, ENL, or LIT prefix

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to three semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. With departmental approval, a cultural/multicultural or related course offered by the Department of English may be used to satisfy one semester of the Graduation requirement

8. Electives
- Selected primarily from upper level courses, with departmental advisor's approval. May be outside of the department. Please note that no more than 6 of the following courses may be taken: CRW 3120, CRW 3211, CRW 3310, CRW 3610, CRW 4122, CRW 4224, CRW 4320, CRW 4616, and ENC 4360.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses.
- Computer Competency met by completion of ENG 3014.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major (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 - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- English - Creative Writing
- English - Linguistics
- English - Technical Communication
- Writing and Rhetoric

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Freshman Year - Spring
- CHM 1020 Concepts in Chemistry 3 hrs
- ENC 1102 Composition II 3 hrs
- LIT 2110 World Literature I 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- ^ SPN 1120C Elementary Spanish Language and Civilization I 4 hrs

^ Any language course at this level is acceptable.

Sophomore Year - Fall
- BSC 1005 Biological Principles 3 hrs
- ENC 1101 Composition I 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- Restricted Elective 3 hrs
- ^ SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

^ Any language course at this level is acceptable.

Sophomore Year - Spring
- ENG 3014 Theories and Techniques of Literature Study 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- Restricted Elective 3 hrs
- ^ SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

^ Third semester of language can be replaced with a diversity course.
- See department advisor for list of approved courses.

Junior Year - Fall
- CRW 3013 Creative Writing for English Majors 3 hrs
- ENL 2022 English Literature II 3 hrs
- LIN 4105 History of the English Language 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Junior Year - Spring
- ENL 2022 English Literature II 3 hrs
- AML 4261 Literature of the South 3 hrs
- ENL 4333 Shakespeare Studies 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Fall
- AML 301 American Novel 3 hrs
- ENL 4253 The Victorian Age: Poetry 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

Senior Year - Spring
- LIT 3383 Women in Literature 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
### UCF Degree Programs

**English - Technical Communication (B.A.)**

**College of Arts and Humanities**

**Department of English, Colbourn Hall, Room: 405**

[http://english.cah.ucf.edu](http://english.cah.ucf.edu)

**E-mail:** english@cah.ucf.edu

Dr. Patrick Murphy

407-823-5596

#### Admission Requirements
- None

#### Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF English Department.

**Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.**

<table>
<thead>
<tr>
<th>1. UCF General Education Program (GEP)</th>
<th>(36 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A: Communication Foundations</strong></td>
<td>(9 hrs)</td>
</tr>
<tr>
<td>Required ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

| **B: Cultural & Historical Foundations** | (9 hrs) |
| **C: Mathematical Foundations**        | (6 hrs) |
| 1 Prefer MGF 1106 Finite Mathematics   | 3 hrs   |
| Prefer STA 1060C Basic Statistics Using Microsoft Excel | 3 hrs |

1 (May substitute a higher level math course)

**D: Social Foundations**

**E: Science Foundations**

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

**ENC 1101 Composition I**

**ENC 1102 Composition II**

**3. Core Requirements: Basic Level**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3241 Writing for the Technical Professional</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Select 1:**

<table>
<thead>
<tr>
<th>CRW 3013 Creative Writing for English Majors or ENG 3014 Theories and Techniques of Literature Study or CRW 3053 Theory &amp; Practice of Creative Writing</th>
<th>3 hrs</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 4293 Technical Writing Style</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**4. Core Requirements: Advanced Level**

| ENC 4293 Technical Writing Style | 3 hrs |
| ENC 4294 Documentation and Client-Based Process | 3 hrs |
| LIT 4433 Literature of Science and Technology | 3 hrs |

**Select 1:**

| ENC 4215 Technical Publication and Project Management | 3 hrs |
| ENC 4218 The Visual in Technical Documentation | 3 hrs |

**Literary History Requirement**

| Choose three courses from these two groupings | 9 hrs |

**Select at least one of these pre-1685 literature courses**

| AML 3031 American Literature I or AML 3613 Narratives of Slavery or AML 4304 Whitman and His Heirs or ENL 2012 English Literature I or ENL 4220 English Renaissance Poetry and Prose or ENL 4230 18th Century Studies | 3 hrs |

| AML 3286 Early American Women's Words or AML 3640 Native American Literature or ENL 3296 Gothic Literature | 3 hrs |

#### Select at least one of these post 1685 literature courses

| AML 3041 American Literature II or AML 3283 Contemporary American Women's Fiction or AML 3614 Topics in African-American Literature or AML 3615 Harlem, Haiti, and Havana or AML 4101 American Novel or AML 4153 American Poetry at Mid-Century or AML 4155 Modern American Poetry or AML 4261 Literature of the South or AML 4265 Florida Writers or AML 4321 Modern American Literature or AML 4630 Latino/Latina Literature or ENL 2022 English Literature II or ENL 4101 English Novel or ENL 4253 The Victorian Age: Poetry or ENL 4262 Nineteenth Century British Prose or ENL 4273 Modern British Literature or LIT 3082 Continental European Fiction Since 1900 or LIT 3192 Caribbean Literature or LIT 4043 Modern Drama As Literature or LIT 4184 Irish Literature or LIT 4303 Post-World War II Fiction or AML 3643 Contemporary Native American Prose and Poetry or LIT 3823 Hispanic Women Writers | 3 hrs |

**5. Restricted Electives**

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 3311 Advanced Expository Writing or ENC 4262 International Technical Communication or ENC 4265 Writing for the Computer Industry or ENC 4260 Usability Testing for Technical Communication or ENC 4414 Writing and Hypertext</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**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
12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned 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 (9 hrs)

- Application and admission through the English Honors Committee and the Honors College.
- Fulfill University requirements for Honors in the Major.
- Grade of “B” (3.0) or better in 5000 level English elective (3 hours), Directed Readings (3 hours), and Thesis hours (3 hours).
- Successful completion and oral defense of Honors thesis.

Related Programs

- English - Creative Writing
- English - Literature
- Certificates
- None

Related Minors

- English - Creative Writing
- English - Literature
- English - Linguistics
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- ENC 1101 & 1102: may use any two lower level courses, taught in the English Department, and each having a 6,000 word requirement. However, ENC 1101 & 1102 are prerequisites for all subsequent English courses and will need to be taken for the major.

Plan of Study

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

English Language Arts Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209

http://education.ucf.edu/englished/

E-mail: jkaplan@mail.ucf.edu

Dr. Jeff Kaplan, ED 122B
407-823-2041

Admission Requirements

- Complete the University General Education requirements or its equivalent, i.e., an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test(no alternatives or waivers are accepted).
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C” (1.75) or better
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements

- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.068. Degree requirements are subject to change based on state mandates.

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

- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

- Preferred AMH 2010 U.S. History: 1492-1877 3 hrs
- Required LIT 2110 World Literature I 3 hrs
- Preferred AMH 2020 U.S. History: 1877-Present 3 hrs

C: Mathematical Foundations (6 hrs)

- Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: (3 hrs)

- Prefer STA 1060C Basic Statistics Using Microsoft Excel or
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)

- Preferred POS 2041 American National Government or General Psychology 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 Biological Principles 3 hrs
- Prefer BSC 1005 Biological Principles 3 hrs

2. Common Program Prerequisites (CPP) (9 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ¹ EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

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)

- ¹ EDF 2130 Child and Adolescent Development for Educators 3 hrs
- LIT 2110 World Literature I GEP 3 hrs
- LIT 2120 World Literature II 3 hrs
- ENL 2012 English Literature I 3 hrs
- ENL 2022 English Literature II 3 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (63 hrs)

Education Core Requirements 21 hrs

- ¹ EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- ¹ EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- ¹ TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
- TSL 4240 Issues in Second Language Acquisition 3 hrs

¹ Prerequisite for Internship I.
## UCF Degree Programs

### Specialization Requirements 21 hrs
- CRW 3013 Creative Writing for English Majors 3 hrs
- ENG 3014 Theories and Techniques of Literature 3 hrs
- AML 3031 American Literature I 3 hrs
- AML 3041 American Literature II 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs

### Select 1: 3 hrs
- ENC 3311 Advanced Expository Writing or 3 hrs
- LIN 4105 History of the English Language 3 hrs
- Upper Division Elective with EDF, EDG, LAE, or RED prefix

### Internship I Block 9 hrs
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, TSL 4080 Theory and Practice of Teaching ESOL Students in Schools, and LAE 4464 Introduction to Adolescent Literature with a letter grade of "C" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- LAE 4360 English Instructional Analysis 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- LAE 3940 Internship 3 hrs

### Internship II 12 hrs
- All specialization courses and at least 80% of all specialization courses must be completed with a letter grade of "C" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
- Passing score on the Subject Area Examination (English 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- LAE 4941 Internship 12 hrs

### 5. Restricted Electives
- None

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

#### Graduation
- None

### 8. Electives
- None

### 9. Additional Requirements
- None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Complete a TESOL notebook as required for ESOL Endorsement.
- Pass all applicable sections of the Florida Teacher Certification Examination.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

## Total Semester Hours Required
- 120

### Honors In Major
- None

### Related Programs
- None

### Certificates
- None

### Related Minors
- None

### Advising Notes
- Consult with your Education advisor and review your degree audit for more recent information.

### Transfer Notes
- None

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study

#### Freshman Year - Fall 12 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

#### Freshman Year - Spring 12 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- POS 2041 American National Government 3 hrs
- PSC 1121 Physical Science 3 hrs

#### Freshman Year - Summer 6 hrs
- LIT 2110 World Literature I 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs

#### Sophomore Year - Fall 15 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- LIT 2120 World Literature II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

#### Sophomore Year - Spring 12 hrs
- ENL 2012 English Literature I 3 hrs
- AML 3031 American Literature I 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

#### Sophomore Year - Summer 6 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- ENL 2022 English Literature II 3 hrs

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**UNIVERSITY OF CENTRAL FLORIDA**

**http://www.education.ucf.edu/clincalexp/**
Environmental Engineering (B.S.Env.E.)

College of Engineering and Computer Science
Department of Civil, Environmental, and Construction Engineering, Engineering II: Room: 211

http://www.cece.ucf.edu

Carol Ann Pohl, carol.pohl@ucf.edu
Dr. Andrew Randall, andrew.randall@ucf.edu
407-823-2841

Admission Requirements

None

Degree Requirements

(128 hrs)

- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.25 GPA in completing the courses from section 3 Basic Core Requirements, section 4 Advanced Core Requirements, section 5 Restricted Electives and section 6 Capstone Requirements listed below. Independent study courses generally do not satisfy major requirements.

- A “C” (2.0) or better is required in each pre-requisite course in section 2 Common Program Prerequisites, section 3 Basic Core Requirements, section 4 Advanced Core Requirements, and section 6 Capstone Requirements.

1. UCF General Education Program (GEP) (38 hrs)

- The UCF General Education Program (GEP) is described in this catalog. Engineering students should closely study the requirements of the UCF GEP and the allowable substitutions detailed in paragraphs A. through E. below to minimize excess hours. Students transferring to UCF from within the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

A: Communication Foundations (9 hrs)

Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Suggested SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Select two courses from Historical Foundations 6 hrs
Select one course from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)

Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 3032 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)

Select one course from Social Foundations Group 1 3 hrs
Select one course from Social Foundations Group 2 3 hrs

E: Science Foundations (7 hrs)

Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
Prefer GEO 1200 Physical Geography 3 hrs

2. Common Program Prerequisites (CPP) (19 hrs)

- These courses are specifically required for all engineering students of the Florida State University System. CPP courses are also available at other Florida post-secondary schools and may be transferred directly to UCF programs.

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

- A grade of “C” (2.0) or better is required in each course in this section.

1 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 one of the following sequences of courses:

- Preferred course
CHM 2045C Chemistry Fundamentals I 4 hrs
or
CHM 2040 Chemistry Fundamentals IA and
CHM 2041 Chemistry Fundamentals IB 3 hrs

3. Core Requirements: Basic Level (9 hrs)

- Environmental engineering majors must complete both Earth Science and Biological Science coursework. See assigned academic advisor for list of approved courses.

1 EGN 1005C Introduction to the Engineering Profession 1 hr
EGN 1007C Engineering Concepts and Methods 1 hr
1 EGR 2050C Environmental Science 3 hrs
1 EGR 2051C Introduction to Environmental Engineering 3 hrs
1 EGR 2070C Engineering Materials II 3 hrs
1 EGR 2111C Geotechnical Engineering 4 hrs
1 ESE 4111C Water Resource Engineering 3 hrs
1 ESE 4121C Water Resources Engineering II 3 hrs
1 ESE 4122C Environmental Engineering Operations & Processes I 3 hrs
1 ESE 4123C Environmental Engineering Operations & Processes II 3 hrs
1 ESE 4124C Solid & Hazardous Waste Management 3 hrs

A “C” (2.0) or better is required in this course.

4. Core Requirements: Advanced Level (53 hrs)

- Engineering Analysis-Statics 3 hrs
1 EGN 3310 Engineering Analysis-Dynamics 3 hrs
1 EGR 2050C Introduction to Environmental Engineering 3 hrs
1 EGR 2051C Geotechnical Engineering 3 hrs
1 ESE 4111C Biological Process Control 3 hrs
1 ESE 4202C Chemical Process Control 4 hrs
1 ESE 4531 Environmental Engineering Operations & Processes I 3 hrs
1 ESE 4532 Environmental Engineering Operations & Processes II 3 hrs
1 ESE 4533 Environmental Engineering Operations & Processes III 3 hrs
1 ESE 4534 Environmental Engineering Operations & Processes IV 3 hrs

A “C” (2.0) or better is required in this course.
### UCF Degree Programs

5. **Restricted Electives** (3 hrs)
   - Technical electives are available in the BSEnvE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. **Capstone Requirements** (6 hrs)
   - Required Senior Design Courses
     - **CGN 4808C** CECE Capstone Design 3 hrs
   - **Design Specialization** 3 hrs
     - Must be completed before registering for CGN 4808C - Capstone Design
     - **ENV 4433C** Environmental Engineering Wastewater Design or
     - **ENV 4122C** Air Pollution Control Design or
     - **ENV 4300C** Solid Waste Facility Design or
     - **ENV 4562C** Environmental Engineering Water Treatment Design
   - A “C” (2.0) or better is required in this course.

7. **Foreign Language Requirements**
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   - 8. **Electives**
     - None
   - 9. **Additional Requirements**
     - EnVEnE students must take the Fundamentals of Engineering (FE) Exam during their senior year. Applications must be received by the Florida Board of Professional Engineers approximately 6 months in advance of your exam date. The exam is offered in April and October only.
   - 10. **Required Minors**
     - None
   - 11. **Departmental Exit Requirements**
     - None
   - 12. **University Minimum Exit Requirements**
     - A 2.0 UCF GPA
     - 60 semester hours earned after CLEP awarded
     - 48 semester hours of upper division credit completed
     - 30 of the last 39 hours of course work must be completed in residency at UCF
     - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
     - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
   - **Total Semester Hours Required** 126
   - **Honors In Major**
     - None
   - **Related Programs**
     - Chemistry
     - Construction Engineering
     - Civil Engineering
   - **Certificates**
     - None
   - **Related Minors**
     - Chemistry
     - Environmental Studies
     - Mathematics
     - Engineering Leadership
     - Bioengineering
   - **Advising Notes**
     - Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

8. **Electives**
   - Graduation
     - One foreign language in college (or equivalent proficiency exam) prior to graduation.
   - **Related Programs**
     - Chemistry
     - Construction Engineering
     - Civil Engineering
   - **Certificates**
     - None
   - **Related Minors**
     - Chemistry
     - Environmental Studies
     - Mathematics
     - Engineering Leadership
     - Bioengineering
   - **Advising Notes**
     - Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.

9. **Additional 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**
     - One foreign language in college (or equivalent proficiency exam) prior to graduation.
   - 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** 126
   - **Honors In Major**
     - None
   - **Related Programs**
     - Chemistry
     - Construction Engineering
     - Civil Engineering
   - **Certificates**
     - None
   - **Related Minors**
     - Chemistry
     - Environmental Studies
     - Mathematics
     - Engineering Leadership
     - Bioengineering
   - **Advising Notes**
     - Each engineering student is assigned a qualified engineering academic advisor in the department of his/her major. Each student should seek academic advisement before registering for classes each semester to minimize excess hours and to ensure that satisfactory academic progress is being maintained.
Senior Year - Fall 16 hrs
ENV 4120 Air Pollution Control 3 hrs
ENV 4561 Environmental Engineering Operations & Processes II 3 hrs
EES 4300C Solid Waste Facility Design or 3 hrs
CWR 4633C Water Resources Engineering II 3 hrs

Design Specialization 3 hrs
ENV 4433C Environmental Engineering Wastewater Design 3 hrs
ENV 4122C Air Pollution Control Design or 3 hrs
ENV 4662C Environmental Engineering Water Treatment Design 3 hrs

Senior Year - Spring 12 hrs
EES 4111C Biological Process Control 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
CGS 4808C CECE Capstone Design 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

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

Event Management (B.S.)
Rosen College of Hospitality Management
Department of Tourism Event and Attractions,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Deborah Breiter, Department Chair
Dr. Abraham Pizam, Dean
407-903-8000

Admission Requirements
None

Degree Requirements
None

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
Required MAC 1105C College Algebra 3 hrs
Required CGS 2100C Computer Fundamentals for Business or 3 hrs
Required STA 2023 Statistical Methods I or 3 hrs

Select 1: (3 hrs)
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

Select 2: (3 hrs)
Required PSY 2012 General Psychology or 3 hrs
Required SYG 2000 Introduction to Sociology or 3 hrs
Required ANT 2000 General Anthropology 3 hrs

D: Social Foundations (6 hrs)
Select 1: (3 hrs)
Required ECO 2013 Principles of Macroeconomics or 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

Select 1: (3 hrs)
Required CGS 2100C Computer Fundamentals for Business or 3 hrs

E: Science Foundations (6 hrs)
Select 1: (3 hrs)
Required MAC 1105C College Algebra GEP

2. Common Program Prerequisites (CPP)
See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs

3. Core Requirements: Basic Level
MAC 1105C College Algebra GEP
Select 1: (3 hrs)
CGS 2100C Computer Fundamentals for Business GEP

4. Core Requirements: Advanced Level (52 hrs)
Hospitality Management Core 24 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
HFT 2254 Lodging Operations 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3540 Guest Services Management I 3 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs

Internships 3 hrs
HFT 3940 Internship 1 hr
HFT 4941 Internship 1 hr
HFT 4944 Practicum 1 hr

Event Management Core 25 hrs
FSS 2284C Food Preparation for Catered Events 4 hrs
HFT 2750 The Event Industry 3 hrs
HFT 3670 Hospitality and Event Risk Management 3 hrs
HFT 3512 Event Promotion 3 hrs
HFT 3573 Event Design, Production & Technology 3 hrs
HFT 3519 Event Services 3 hrs
HFT 3523 Event Sales 3 hrs
HFT 4757 Event Management 3 hrs

5. Restricted Electives (18 hrs)
Complete any six restricted Event Management Electives 18 hrs
HFT 3357 Golf & Club Event Operations 3 hrs
HFT 3373 Event Design, Production & Technology 3 hrs
HFT 4795 International Events or 3 hrs
HFT 4796 International Events or 3 hrs
HFT 4561 Destination Marketing or 3 hrs
HFT 4756 Destination Management or 3 hrs
HFT 3868 History and Culture of Wine or 3 hrs
HFT 3357 Golf & Club Event Operations 3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
State University System foreign language admission requirement: two years in high school or one year in college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
None

8. Electives
3-11 hours as necessary to result in 120 total credit hours.

9. Additional Requirements
Final exams will be given during Final Exam Week only.
Transfer students to this program must take a minimum of thirty (30) credit hours in Hospitality Management core classes or restricted electives at UCF.

10. Required Minors
None

11. Departmental Exit Requirements
None

12. University Minimum Exit Requirements
A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120
Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF College of Hospitality Management.
- Florida Public Community College students are encouraged to complete the general education requirements prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the event major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- HFT 1000 Introduction to the Hospitality and Tourism Industry 3 hrs
- ENC 1101 Composition I 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

Select one course from the list 3 hrs
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology or
- ANT 2000 General Anthropology

Cult/Historical Foundation Course 3 hrs
- AMH 2010 U.S. History: 1492-1877 or
- HUM 2210 Humanistic Tradition I or
- EUH 2000 Western Civilization I or
- WOH 2012 World Civilization I

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- HFT 2750 The Event Industry 3 hrs
- HFT 2220 Hospitality Human Resources Management 3 hrs

Cultural Foundation Course 3 hrs
- HUM 2320 Humanistic Tradition II or
- AMH 2020 U.S. History: 1877-Present or
- EUH 2001 Western Civilization II or
- WOH 2022 World Civilization II

Sophomore Year - Fall
- HFT 3670 Hospitality and Event Risk Management 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- HFT 2500 Hospitality and Tourism Marketing 3 hrs

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics

Science Foundation 3 hrs
- BSC 1005 Biological Principles or
- BSC 1050 Biology and Environment or
- GLY 1030 Geology and Its Applications or
- GEO 1200 Physical Geography or
- ANT 2511 The Human Species

Sophomore Year - Spring
- HFT 3512 Event Promotion 3 hrs
- HFT 3519 Event Services 3 hrs
- 1 FSS 2284C Food Preparation for Catered Events 4 hrs

Science Foundation II 3 hrs
- AST 2002 Astronomy or
- CHM 1020 Concepts in Chemistry or
- PSC 1121 Physical Science

Cultural Foundation Course 3 hrs
- FIL 1000 Cinema Survey or
- REL 2300 World Religions or
- PHI 2010 Introduction to Philosophy or
- MUL 2010 Enjoyment of Music or
- THE 2000 Theatre Survey or
- ARH 2050 History of Western Art I or
- LIT 2110 World Literature I or
- LIT 2120 World Literature II

1 Food Preparation for Catered Events 4 credit hours

Junior Year - Fall
- HFT 3540 Guest Services Management I 3 hrs
- HFT 2254 Lodging Operations 3 hrs
- HFT 2401 Hospitality Industry Financial Accounting 3 hrs
- HFT 3940 Internship 1 hr
- HFT 3373 Event Design, Production & Technology 3 hrs

Junior Year - Spring
- HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
- HFT 4941 Internship 1 hr
- HFT 3523 Event Sales 3 hrs

Event Management Restricted Electives ***See list in catalog for 9hrs
- Senior Year - Fall
  - HFT 4286 Hospitality Communications 3 hrs
  - HFT 4464 Hospitality Industry Finance 3 hrs
  - HFT 4944 Practicum 1 hr

Event Management Restricted Elective ***See list in catalog for 3hrs
- University Free Electives 5 hours
- University Free Electives 6 hours

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oas.ucf.edu/al/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/

Linda Alexander, Program Contact, lalexan@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.

Students must pass 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:

Prefer LIT 2110 World Literature I or 3 hrs

Prefer LIT 2120 World Literature II or 3 hrs

Prefer PHI 2010 Introduction to Philosophy or 3 hrs

Prefer REL 2300 World Religions 3 hrs

C: Mathematical Foundations (6 hrs)

Select 1:

Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs

Prefer STA 2014C Principles of Statistics 3 hrs

Select 1:

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics 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

1 EDF 2085 Introduction to Diversity for Educators 3 hrs

2 EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (15 hrs)

1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

1 EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs

1 EEX 2710 Introduction to Special Education 3 hrs

1 EEX 2758 Enhancing Family Involvement in Education 2 hrs

1 MAE 2801 Elementary School Mathematics 4 hrs

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

4. Core Requirements: Advanced Level (60 hrs)

1 Exceptional Student Education majors take a variety of courses related to children, adolescents, and adults with special needs, and their learning, development, and family environment. Students majoring in Exceptional Student Education take a series of core and specialization courses to prepare them to teach in the schools and to demonstrate the Florida Educator Accomplished Practices (FEAP). Early and continuous field experiences are provided to enhance the Exceptional Student Education major’s program and to integrate theory and practice in actual school settings. Throughout the Exceptional Student Education program, students document and reflect upon their accomplishments in a Professional LiveText Portfolio, which is continuously reviewed by faculty. In addition, students must complete a TESOL Notebook.

Semester I 12 hrs

1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs

1 EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs

1 RED 3012 Basic Foundations of Reading 3 hrs

1 TSL 4060 Theory and Practice of Teaching ESOL 3 hrs

Students in Schools

1 Courses to be taken prior to Internship I

Semester II 15 hrs

1 It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE during Semester II

EDF 4467 Learning Theory and Assessment 3 hrs

EEX 3243 Techniques for Exceptional Adolescents-Adults 3 hrs

LAE 4314 Language Arts in the Elementary School 3 hrs

TSL 4240 Issues in Second Language Acquisition 3 hrs

RED 4519 Diagnostic and Corrective Reading 3 hrs

Strategies

Semester III (Summer) 6 hrs

1 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.

1 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/

1 All methods courses and at least 80% of all specialization courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.

EEX 3221 Assessment of Exceptional Students 3 hrs

EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Semester IV 15 hrs

1 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/clinicalxp/.

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).

1 Choose one course from either the Elementary or Secondary level

Methods Content Area Course I sections:

EEX 3942 Internship I Exceptional Students 3 hrs

1 EED 4061 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 Course I

LAE 3414 Literature for Children or 3 hrs

1 MAE 4326 How Children Learn Mathematics or 3 hrs

SCE 3310 Teaching Science in Elementary School or 3 hrs

SSE 3312 Teaching Social Science in the Elementary School 3 hrs
UCF Degree Programs

Secondary Level: Methods Content Area Course I
ECE 4360 Science Instructional Analysis or 4 hrs
MAE 4360 Mathematics Instructional Analysis 4 hrs
SSE 4361 Social Science Instructional Analysis 4 hrs
LAE 4360 English Instructional Analysis or 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Semester V 12 hrs
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.065.
- All methods courses and at least 80% of all specialization courses must be completed with a letter grade of "C-" (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Choose one course from either the Elementary or Secondary level
  Methods Content Area Course II sections.
  EEX 4941 Internship 9 hrs
  Elementary Level: Methods Content Area Course II
  SCE 3310 Teaching Science in Elementary School 3 hrs
  SSE 3312 Teaching Social Science in the Elementary School or LAE 3414 Literature for Children 3 hrs
  Secondary Level: Methods Content Area Course II
  SCE 4360 Science Instructional Analysis or 4 hrs
  MAE 4360 Mathematics Instructional Analysis or 4 hrs
  SSE 4361 Social Science Instructional Analysis or 4 hrs
  LAE 4360 English Instructional Analysis or 3 hrs
  RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a 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 12 hrs
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring 15 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- ENC 1102 Composition II 3 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- PSC 1121 Physical Science 3 hrs

Select 1: 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy or 3 hrs
- LIT 2110 World Literature I or 3 hrs
- LIT 2120 World Literature II 3 hrs

Freshman Year - Summer 6 hrs
- PDS 2041 American National Government 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

Sophomore Year - Fall 12 hrs
- SPC 1008 Fundamentals of Oral Communication 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Select 1: 3 hrs
- BSC 1005 Biological Principles or 3 hrs
- ANT 2511 The Human Species 3 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Spring 12 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- EEX 2758 Enhancing Family Involvement in Education 2 hrs
- EDF 2720 Children in Schools: Legal, Ethical and Safety Concerns 3 hrs
- MAE 2801 Elementary School Mathematics 4 hrs

Sophomore Year - Summer 3 hrs
- 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 12 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- RED 3012 Basic Foundations of Reading 3 hrs

Junior Year - Spring 15 hrs
- It is strongly recommended to take the Professional Education Test (PEd) portion of the FTCE during Semester II.
EEX 3243  Techniques for Exceptional Adolescents-Adults  3 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
TSL 4240  Issues in Second Language Acquisition  3 hrs
LAE 4314  Language Arts in the Elementary School  3 hrs
RED 4519  Diagnostic and Corrective Reading Strategies  3 hrs

Senior Year - Fall
EEX 4763  Technology for Classroom Teachers of Students with Special Needs  3 hrs
EEX 4801  Introduction to Behavior Management  3 hrs
EEX 3942  Internship I Exceptional Education  3 hrs
RED 4842  Practicum for Assessment and Instruction of Reading  3 hrs

Select Methods Content I  9 hrs
- Choose one from the following. Must be different from the select-course during Senior Year Fall Term.
  - SCE 3310  Teaching Science in Elementary School or School  3 hrs
  - SSE 3312  Teaching Social Science in the Elementary School  3 hrs
  - LAE 3414  Literature for Children  3 hrs
  - MAE 4326  How Children Learn Mathematics or  3 hrs
  - SCE 4360  Science Instructional Analysis  4 hrs
  - SSE 4361  Social Science Instructional Analysis  4 hrs
  - LAE 4360  English Instructional Analysis  3 hrs
  - RED 4043  Content Reading in Kindergarten through Grade 12 or Mathematics Instructional Analysis  4 hrs
  - MAE 4360  Mathematics Instructional Analysis  4 hrs

Senior Year - Spring
EEX 4941  Internship  9 hrs
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: 421
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Steve Schlow, 407-823-2645
407-823-4265

Admission Requirements
- The Film BFA major is a limited access program.
- Entrance into most Film classes is restricted to majors. Exceptions must be approved by the Department Chair.
- Applications to become a Film BFA major are required by December 15 for admission to the subsequent Fall term.
- A portfolio review is required for entry into the Film BFA major.
  Contact the Film Department for details, or visit the website, http://www.film.cah.ucf.edu.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average grade of “B” (3.0) or better in Film major courses.
- A maximum of six credit hours of internship may be earned in one semester. A total of six credit hours of internship may be earned within the 120 credit hours required for graduation.
- Students must consult with a departmental advisor each semester.
- All students are required to pay a fee for equipment insurance.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP)  (36 hrs)
   - See Transfer Notes for possible substitutions.

A: Communication Foundations  (9 hrs)
B: Cultural & Historical Foundations  (9 hrs)
- Prefer FIL 2030  History of Motion Pictures  3 hrs
- Prefer one course from 1.B.1 list  3 hrs
- Prefer one course from either 1.B.1 or 1.B.2 list  3 hrs

C: Mathematical Foundations  (6 hrs)
- Prefer MGF 1106  Finite Mathematics  3 hrs

Select 1:  3 hrs
- Prefer CTS 1060C  Computer Programming  3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel  3 hrs

D: Social Foundations  (6 hrs)
E: Science Foundations  (6 hrs)

2. Common Program Prerequisites (CPP)  (3 hrs)
- Prefer FIL 2030  History of Motion Pictures  3 hrs

Select 2:  3 hrs
- Prefer CTS 1060C Computer Programming  3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel  3 hrs

3. Core Requirements: Basic Level  (21 hrs)
- Lower level core requirements
  - FIL 2017  Script Analysis  3 hrs
  - FIL 2009  Cinematic Expression for Majors  3 hrs
  - FIL 2052  Editing I  3 hrs
  - FIL 2480  Directing for Film I  3 hrs
  - FIL 2461  Cinematography I  3 hrs
  - FIL 2481  Directing the Actor for Film I  3 hrs
  - DIG 2000  Introduction to Digital Media  3 hrs

4. Core Requirements: Advanced Level  (36 hrs)
- Upper level core requirements
  - FIL 3115  Short Script I  3 hrs
  - FIL 3132  Short Script II  3 hrs
  - FIL 3427C  Introduction to Film Production  3 hrs
  - FIL 3534  Sound Design for Film I  3 hrs
  - FIL 3036  Film History I  3 hrs
  - FIL 3037  Film History II  3 hrs
  - FIL 3803C  Film Theory and Criticism I  3 hrs
  - FIL 3922  Film Colloquium  3 hrs
  - FIL 4486C  Directing for Film I  3 hrs
  - FIL 4661  The Film Producer  3 hrs
  - FIL 4647  Film Production Management  3 hrs

5. Restricted Electives  (12 hrs)
- Select four courses from the following. Must complete all core requirements before taking these courses. A maximum of 6 hours of Independent Study may be substituted with advisor’s prior approval.

Production / Direction
- FIL 3363C  Film Documentary  3 hrs
- DIG 4704  Interactive Entertainment  3 hrs
- FIL 4472C  Cinematography II  3 hrs
- FIL 4536C  Sound Design for Film II  3 hrs
- FIL 4536  Sound Design III  3 hrs
- FIL 4451  Design for Film  3 hrs
- FIL 4487  Directing for Film III  3 hrs
- FIL 4666C  Editing II  3 hrs

Screen Writing
- FIL 4103  Adaptation  3 hrs
- FIL 4162C  Feature/TV Writing I  3 hrs
- FIL 4163C  Feature/TV Writing II  3 hrs
- FIL 4113C  Interactive Writing I  3 hrs
- FIL 4114C  Interactive Writing II  3 hrs
- FIL 4126C  Genre Writing  3 hrs
- FIL 4906  Directed Independent Study  1 hr
## UCF Degree Programs

### Cinema Studies
- **FIL 3880C** Images of Women in Film 3 hrs
- **FIL 3831** Black Cinema 3 hrs
- **FIL 3051** Avant-Garde Cinema 3 hrs
- **FIL 3804C** Film Theory and Criticism II 3 hrs
- **FIL 3841** French New Wave Cinema 3 hrs
- **FIL 3824** Italian Neo-Realist Cinema 3 hrs
- **FIL 3847** Latin American Cinema 3 hrs
- **FIL 3820** Italian Film 3 hrs
- **FIL 3822** French Film 3 hrs
- **FIL 3823** German Film 3 hrs
- **FIL 3826** American Cinema 3 hrs
- **FIL 3871** The American Film Artist 3 hrs
- **FIL 4436** Film Theory/Film Production 3 hrs

### Digital Cinema
- **ART 2823** Art as Interface 3 hrs
- **ART 3618** Post-Production Design 3 hrs
- **COP 302C** Computer Science I 3 hrs
- **DIG 4955C** Converging Media Capstone 3 hrs
- **DIG 3138C** Digital Imagery 3 hrs
- **DIG 4780C** Modeling for Realtime Systems 3 hrs
- **ENC 4415** Digital Rhetorics and The Modern Dialectic 3 hrs
- **DIG 3134** Media Software Design 3 hrs
- **MUC 3311** MIDI Sequencing I 3 hrs

### Capstone Requirements (6 hrs)
- **FIL 4444C** Capstone I 3 hrs
- **FIL 4575C** Capstone II 3 hrs

### 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.

### Electives
- Select primarily from upper level courses, with departmental advisor’s approval. May be outside of the department.

### Additional Requirements
- **None**

### 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 2552** Editing I or 3 hrs
- **STA 1060C** Basic Statistics Using Microsoft Excel 3 hrs

### University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

### Honors in Major
- None

### Related Programs
- Film - Cinema Studies Track
- English - Creative Writing
- Digital Media
- Music
- Theatre
- Radio - Television

### Certificates
- None
Senior Year - Spring
FIL 473C 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.oaes.ucf.edu/alc/academic_learning_compacts.htm

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

Film - Cinema Studies Track (B.A.)
College of Arts and Humanities
Department of Film, Nicholson School of Communication, Room: 121
http://www.film.cah.ucf.edu
E-mail: film@mail.ucf.edu
Steve Schlow, 407-823-2845
407-823-4285

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to maintain an overall average of “C” (2.0) or better in major courses.
- Film production/directing classes are not open to Cinema Studies majors.
- Cinema Studies Track is not an entrance into the BFA Film Program.
- Internship credit can be used in this major.
- Students must consult with a departmental advisor each semester.
- Departmental Residency Requirement consists of at least 48 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Film Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   Prefer FIL 2030 History of Motion Pictures 3 hrs
   Prefer one course from 1.B.1 list
   Prefer one course from 1.B.1 or 1.B.2 list
   3 hrs
   C: Mathematical Foundations (6 hrs)
   1 MGF 1106 Finite Mathematics 3 hrs
   Suggested

2. Common Program Prerequisites (CPP) (3 hrs)
   See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   1 FIL 2030 History of Motion Pictures GEP
   1 FIL 1007 Foundations of Story 3 hrs

3. Core Requirements: Basic Level (12 hrs)
   FIL 1008 Cinematic Expression/Aesthetics 3 hrs
   FIL 2107 Script Analysis 3 hrs
   FIL 2423 Foundations of Production 3 hrs
   DIG 2000 Introduction to Digital Media 3 hrs

4. Core Requirements: Advanced Level (36 hrs)
   FIL 3006 Art of the Cinema 3 hrs
   FIL 3462C Cinematic Expression 3 hrs
   FIL 3363C Film Documentary 3 hrs
   FIL 3036 Film History I 3 hrs
   FIL 3037 Film History II 3 hrs
   FIL 3051 Avant-Garde Cinema 3 hrs
   FIL 3803C Film Theory and Criticism I 3 hrs
   FIL 3804C Film Theory and Criticism II 3 hrs
   FIL 3845 World Cinema Traditions 3 hrs
   FIL 3826 American Cinema 3 hrs
   FIL 4661 The Film Producer 3 hrs

Select 1: 3 hrs
   FIL 3102 Writing for Film and TV or
   FIL 3115 Short Script I

5. Restricted Electives (9 hrs)
   - Select three courses from the following upper level FIL courses:
   - A maximum of 6 hours Independent Study and/or internship credit may be used
   - FIL 3850 Cinema Directors 3 hrs
   - FIL 3880C Images of Women in Film 3 hrs
   - FIL 3831 Black Cinema 3 hrs
   - FIL 3841 French New Wave Cinema 3 hrs
   - FIL 3041 History of Animated Films I 3 hrs
   - FIL 3824 Italian Neo-Realist Cinema 3 hrs
   - FIL 3842 International Cinema 3 hrs
   - FIL 3820 Italian Film 3 hrs
   - FIL 3822 French Film 3 hrs
   - FIL 3823 German Film 3 hrs
   - FIL 3871 The American Film Artist 3 hrs
   - FIL 4436 Film Theory/Film Production 3 hrs
   - FIL 4906 Directed Independent Study 3 hrs
   - FIL 5612 Film and Internet Business 3 hrs
   - DIG 4855C Converging Media Capstone 3 hrs
   - DIG 4704 Interactive Entertainment 3 hrs
   - FIL 3847 Latin American Cinema 3 hrs
   - FIL 3852 Cinema Criticism Writing 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement.

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
   - Must be taken outside the Film Department. (18 hrs min)

11. Departmental Exit Requirements
   - A student must maintain an overall average of “C” (2.0) or better in major courses.
   - Computer competency met by one of the following:
     - CGS 1060C Introduction to Computer Science
     - STA 1060C Basic Statistics Using Microsoft Excel
     - FIL 1008 Cinematic Expression/Aesthetics

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None
UCF Degree Programs

Related Programs
- Music
- Theatre
- Radio - Television
- English - Creative Writing
- Film

Certificates
- None

Related Minors
- Music
- Theatre
- Art - Studio
- English - Creative Writing

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information

Acceptable Substitutes for Transfer Courses

Acceptable substitutes for Common Program Prerequisites
- FIL 2030 may substitute for FIL 1000, but FIL 2030 is a prerequisite for subsequent Film courses and 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 1008 Cinematic Expression/Aesthetics 3 hrs
- FIL 2107 Script Analysis 3 hrs
- Foreign Language II 4 hrs

Freshman Year - Summer
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- FIL 2423 Foundations of Production 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 3036 Film History I 3 hrs
- GEP 3 hrs
- GEP 3 hrs

Sophomore Year - Spring
- DIG 2000 Introduction to Digital Media 3 hrs
- FIL 3037 Film History II 3 hrs

Take one of the following 3 hrs
- FIL 3102 Writing for Film and TV or
- FIL 3115 Short Script I
- GEP 3 hrs
- GEP 3 hrs

Junior Year - Fall
- FIL 3363C Film Documentary 3 hrs
- FIL 3803C Film Theory and Criticism I 3 hrs
- FIL XXX - 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 XXX - Elective 3 hrs
- Minor 6 hrs

Senior Year - Spring
- FIL 3051 Avant-Garde Cinema 3 hrs
- FIL XXX - Elective 3 hrs
- Minor 6 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

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

Finance (B.S.B.A.)
College of Business Administration
Department of Finance, Business Administration, Room: 409
http://web.bus.ucf.edu/academics/finance/ 407-823-3575

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

Admission Requirements
- Completion of the UCF General Education Program, Golden Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements
- Students who change their degree programs should adopt the most current catalog.
- Only grades “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or 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)
   A: Communication Foundations (9 hrs)
   - Preferred SPC 1608 Fundamentals of Oral Communication
     (3 hrs)

   B: Cultural & Historical Foundations (9 hrs)
   - Required MAC 1140 Pre-Calculus Algebra 3 hrs
     Required CGS 2100C Computer Fundamentals for Business 3 hrs

   C: Mathematical Foundations (6 hrs)
   - Required MAC 1140 Pre-Calculus Algebra 3 hrs

   D: Social Foundations (6 hrs)
   - Select 1: 3 hrs
     - Suggested ECO 2013 Principles of Macroeconomics 3 hrs
     - Suggested ECO 2023 Principles of Microeconomics 3 hrs
   - Select 1: 3 hrs
     - Suggested PSY 2012 General Psychology or
     - Suggested ANT 2000 General Anthropology or
     - Suggested SYG 2000 Introduction to Sociology 3 hrs
### 2. Common Program Prerequisites (CPP) (18 hrs)
- **Must be completed with a “C” (2.0) or better.**
- See “Common Prerequisites” in the Transfer and Transitions services section for more information.
- **AGG 2071** Principles of Managerial Accounting 3 hrs
- **ECO 2013** Principles of Macroeconomics 3 hrs
- **ECO 2023** Principles of Microeconomics 3 hrs
- **CGS 2100C** Computer Fundamentals for Business 3 hrs
- **AGG 2061** Principles of Accounting 3 hrs

### 3. Core Requirements: Basic Level (32 hrs)
- **Must be in the UCF Honors in the Major Program. See http://www.honors.ucf.edu/ for details.**
- **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 Analytic Geometry 3 hrs
  - **STA 2023** Statistical Methods I 3 hrs

### 4. Core Requirements: Advanced Level (18 hrs)
- **Select 2:**
  - **FIN 3303** Financial Markets 3 hrs
  - **FIN 3414** Intermediate Corporate Finance 3 hrs
  - **FIN 4453** Financial Models 3 hrs
  - **FIN 4424** Advanced Topics in Financial Management or
  - **FIN 4514** Portfolio Analysis and Management or
  - **FIN 4533** Financial Derivatives or
  - **FIN 4604** International Financial Management 3 hrs

### 5. Restricted Electives (6 hrs)
- **Select 2:**
  - **AGG 3131** Intermediate Financial Accounting I or
  - **AGG 3141** Intermediate Financial Accounting II or
  - **AGG 3381** Cost Accounting I or
  - **ECO 4412** Econometrics or
  - **FIN 4361** Financial Statement Analysis or
  - **FIN 4324** Commercial Bank Management or
  - **FIN 4424** Advanced Topics in Financial Management or
  - **FIN 4514** Portfolio Analysis and Management or
  - **FIN 4533** Financial Derivatives or
  - **FIN 4604** International Financial Management or
  - **FIN 4906** Directed Independent Study or
  - **FIN 4941** Finance Internship or

### 6. Capstone Requirements (4 hrs)
- **MAN 4720** Strategic Management 4 hrs
- **FIN 4453** Financial Models 3 hrs
- **FIN 4424** Advanced Topics in Financial Management 3 hrs
- **FIN 4514** Portfolio Analysis and Management 3 hrs
- **FIN 4941** Finance Internship 3 hrs
- **FIN 4906** Directed Independent Study 1 hr
- **FIN 4933** Financial Derivatives 3 hrs
- **FIN 4604** International Financial Management 3 hrs

### 7. Foreign Language Requirements
- **Admissions**
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation
- **Graduation**
  - None
- **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**

### Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

### Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit.
- The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System of College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, 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.
UCF Degree Programs

- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of "C" (2.0) or higher transfer into the program and students must have a "C"(2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester
- General electives as required to reach 120 semester hours. The department recommends completing FIN 2100 (Personal Finance) as a general elective, prior to the junior year.

Freshman Year - Fall 15 hrs
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MAC 1105C College Algebra 3 hrs
- Cult-Hist I 3 hrs
- Elective 3 hrs

Freshman Year - Spring 15 hrs
- ENC 1102 Composition II 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs
- Elective 3 hrs

Sophomore Year - Fall 15 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psych/Ant/Soc 3 hrs
- Elective 3 hrs

Sophomore Year - Spring 15 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Science 3 hrs
- Elective 3 hrs

Junior Year - Fall 16 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs
- FIN 3403C Business Finance 4 hrs

Junior Year - Spring 17 hrs
- FIN 3303 Financial Markets 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3504 Investment Analysis 3 hrs
- ECO 3411 Quantitative Business Tools II 4 hrs
- MAN 3025 Management of Organizations 4 hrs

Senior Year - Fall 14 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- ISM 3011C Essentials of Management Information Systems 4 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Senior Year - Spring 13 hrs
- MAN 4720 Strategic Management 4 hrs
- FIN 4453 Financial Models 3 hrs
- FIN Elective 3 hrs
- FIN Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/ual/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Foreign Language Education - French (B.S.)
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://www.education.ucf.edu/language

Dr. Karen Verkler, ED 220L, kverkler@mail.ucf.edu, 407-823-5235
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
407-823-5235

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better
- Meet the Gordon Rule Requirement
- Meet the foreign language admission requirement

Degree Requirements
- Students should see an advisor prior to registering for courses
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (36 hrs)
- Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)
- Select 1: 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (6 hrs)
- Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP) (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 (6 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- FRE 2201 Intermediate French Language and Civilization II 3 hrs
4. Core Requirements: Advanced Level (69 hrs)

**Education Core Requirements** 18 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL

**Students in Schools.**
1. EDG 4410 Teaching Strategies and Classroom Management 3 hrs
2. EDF 4467 Learning Theory and Assessment 3 hrs
3. TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
4. RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
5. EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
6. EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1. Required prior to Internship I
2. Community College transfer students may substitute EEX 2010

**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.clinicaexperiences.education.ucf.edu](http://www.clinicaexperiences.education.ucf.edu).

**Specialization Requirements** 33 hrs
- FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
- FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
- FRE 3300 French Grammar 3 hrs
- FRE 3420 French Composition 3 hrs
- FRE 3760 Advanced French Oral Communication 3 hrs
- FRW 3100 Survey of French Literature I 3 hrs
- FRW 3101 Survey of French Literature II 3 hrs
- FRE 4421 Advanced French Conversation 3 hrs
- FRE 4422 Advanced French Composition 3 hrs
- Upper division restricted electives (FRE/FRW 3/4XXX with advisor’s consent) 6 hrs

1. Required prior to Internship I
2. FRE 3410 and FRE 3423 may substitute for FRE 4421 and FRE 4422.

**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/clinicalxp](http://www.education.ucf.edu/clinicalxp).
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

FLE 4941 Internship 12 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study**

**Recommended Four Year Sequence of Courses**

<table>
<thead>
<tr>
<th>Year</th>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Year - Fall</td>
<td>ENC 1101 Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>MGF 1106 Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PSY 2012 General Psychology</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>AMH 2010 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Freshman Year - Spring</td>
<td>AMH 2020 U.S. History: 1877-Present</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>ENC 1102 Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>POS 2041 American National Government</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>PSC 1121 Physical Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Freshman Year - Summer</td>
<td>PHI 2010 Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Sophomore Year - Fall</td>
<td>EDF 2130 Introduction to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>EDF 2005 Introduce to the Teaching Profession</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>1 EDF 2130 Child and Adolescent Development for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>EEX 4242 Teaching Exceptional Students in Secondary Settings</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
Select 1: 3 hrs

STC 2014C Principles of Statistics or
STC 1080C Basic Statistics Using Microsoft Excel

1 Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Spring 12 hrs

EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
FRE 2201 Intermediate French Language and Civilization II 3 hrs

Select 1: 3 hrs

ANT 2511 The Human Species or
BSC 1005 Biological Principles 3 hrs

Sophomore Year - Summer 3 hrs

TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Junior Year - Fall 15 hrs

EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
FRE 3300 French Grammar 3 hrs
FRE 3420 French Composition 3 hrs
FRW 3100 Survey of French Literature I 3 hrs

Junior Year - Spring 15 hrs

FRW 3101 Survey of French Literature II 3 hrs
FRE 3760 Advanced French Oral Communication 3 hrs
FRE 3760 French Phonetics and Diction 3 hrs
FRE 4422 Advanced French Composition 3 hrs
RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Junior Year - Summer 9 hrs

FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs

1 This course may be taken in the Fall of the senior year with consent of instructor.

Senior Year - Fall 12 hrs

FLE 3940 Internship 3 hrs
FRE 4421 Advanced French Conversation 3 hrs
Two upper division restricted electives (FRE/FRW 3/4XXX) 6 hrs

Senior Year - Spring 12 hrs

FLE 4941 Internship 12 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Foreign Language Education - Spanish (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://www.education.ucf.edu/language
E-mail: kverkler@mail.ucf.edu

Dr. Karen Venker, ED 220L
Dr. Janet Andreaesen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430 407-823-5235

Admission Requirements

1 Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
2 Meet the Gordon Rule Requirement.
3 Meet the foreign language admission requirement.

Degree Requirements

1 Students should see an advisor prior to registering for classes
2 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.
3 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)

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 2070 U.S. History: 1492-1877 3 hrs
Prefer AMH 2071 U.S. History: 1877-1945 3 hrs
Prefer PHI 2070 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)

Prefer MGF 1106 Finite Mathematics 3 hrs
Prefer STA 2014C Principles of Statistics 3 hrs

Select 1: (3 hrs)

Prefer STA 1060C Basic Statistics Using Microsoft Excel or STA 2014C

D: Social Foundations (6 hrs)

Prefer POS 2041 American National Government 3 hrs
Prefer PSY 2070 General Psychology 3 hrs

E: Science Foundations (6 hrs)

Prefer PSC 1121 Physical Science 3 hrs

Select 1: (3 hrs)

Prefer AST 2010 Analytical Chemistry 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 (6 hrs)

Other Program Requirements

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: 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

1 EDF 4410 Teaching Strategies and Classroom Management 3 hrs
1 EDF 4467 Learning Theory and Assessment 3 hrs

198 Undergraduate Catalog 2011-2012
Rule 6A-5.066. approved for Internship II. Deadline dates and applications are available recommended prior to entry into Internship II. Students must apply and be tion of the Florida Teacher Certification Examination (FTCE) is strongly

Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I. Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

FLE 3940 Internship 3 hrs

Specialization Requirements 27 hrs
1 FLE 4333 Foreign Language Teaching in the Secondary School 3 hrs
1 FLE 4314 Foreign Language Teaching in Elementary Schools 3 hrs
SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
SPN 3420 Spanish Composition 3 hrs
SPN 3760 Advanced Spanish Oral Communication 3 hrs
2 SPW 3100 Survey of Spanish Literature I 3 hrs
2 SPW 3101 Survey of Spanish Literature II 3 hrs
SPN 3344 Advanced Spanish Native Fluency I 3 hrs
SPN 3345 Advanced Spanish Native Fluency II 3 hrs

1 Required prior to Internship I
2 EEX 4242 Teaching Exceptional Students in Secondary Settings

Upper Division Restricted Electives 6 hrs
Community college transfer students may substitute lower division restricted electives.

Select two upper division Spanish courses (SPN 3/4XXX) 6 hrs with advisor's consent. The following courses are recommended:
SPN 4410 Advanced Spanish Conversation 3 hrs
SPN 4421 Advanced Spanish Composition 3 hrs
SPN 4510 Spanish Civilization and Culture 3 hrs
SPN 4520 Latin American Civilization and Culture 3 hrs

Other Cognate Requirements 3 hrs
Select 1:
SPN 3852 Bilinguismo or 3 hrs
SPN 4800 Spanish-American Syntax or 3 hrs
SPN 4801 Spanish Morphosyntax 3 hrs

Internship II Block 12 hrs
At least 80% of all required foreign language courses and all methods courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
Passing score on the Subject Area Examination (Spanish K-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II. Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.clinicalexperiences.education.ucf.edu.

FLE 4941 Internship 12 hrs

5. Restricted Electives
None
**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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1. Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 2085</td>
<td>Introduction to Diversity for Educators</td>
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<tr>
<td>EME 2040</td>
<td>Introduction to Technology for Educators</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 3234</td>
<td>Advanced Directed Readings</td>
<td>3 hrs</td>
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**Select 1:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BSC 1005</td>
<td>Biological Principles or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
<td>3 hrs</td>
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**Sophomore Year - Summer**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>TSL 4080</td>
<td>Theory and Practice of Teaching ESOL Students in Schools</td>
<td>3 hrs</td>
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**Junior Year - Fall**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDG 4410</td>
<td>Teaching Strategies and Classroom Management</td>
<td>3 hrs</td>
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**Junior Year - Spring**

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<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EDF 4467</td>
<td>Learning Theory and Assessment</td>
<td>3 hrs</td>
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<tr>
<td>SPN 3345</td>
<td>Advanced Spanish Native Fluency II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>RED 4043</td>
<td>Content Reading in Kindergarten through Grade 12</td>
<td>3 hrs</td>
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**Junior Year - Summer**

<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>FLE 4314</td>
<td>Foreign Language Teaching in Elementary Schools</td>
<td>3 hrs</td>
</tr>
<tr>
<td>FLE 4333</td>
<td>Foreign Language Teaching in the Secondary School</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

1. This course may be taken in the Fall of the senior year with consent of Instructor.

**Senior Year - Fall**

<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>FLE 3940</td>
<td>Internship</td>
<td>3 hrs</td>
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</tbody>
</table>

**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLE 4941</td>
<td>Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.o eas.ucf.edu/aic/academic_learning_compacts.htm](http://www.o eas.ucf.edu/aic/academic_learning_compacts.htm)
4. Core Requirements: Advanced Level (34 hrs)

A. Forensic Science Core: 18 hrs
- CHS 3501: Introduction to Forensic Science 3 hrs
- CHS 3505C: Forensic Microscopy 4 hrs
- CHS 4537: Forensic Laboratory Quality Assurance 2 hrs
- CHS 3595: Forensic Science in the Courtroom 3 hrs
- CHS 3533: Forensic Biochemistry I 2 hrs
- CHS 4591: Forensic Science Internship 4 hrs

B. Forensic Analysis Track: 16 hrs
- CHM 3211: Calculus with Analytic Geometry I 4 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 3 hrs
- BSC 2010C: Biology I 4 hrs
- ENC 1101: Composition I 3 hrs
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- CHS 3595: Forensic Science in the Courtroom 3 hrs
- CHS 3533: Forensic Biochemistry I 2 hrs
- CHS 4591: Forensic Science Internship 4 hrs

5. Restricted Electives (12 hrs)

Select 12 hours from the following: 12 hrs
- AN 4521: Forensic Anthropology 3 hrs
- BCH 4053: Biochemistry I 3 hrs
- CHM 3212L: Organic Laboratory Techniques II 2 hrs
- CHM 4912: Directed Independent Research 1 hr
- CHS 4506C: Forensic Investigation Technology 3 hrs
- CHS 4515C: Forensic Science Internship 4 hrs
- CHS 4547C: Advanced Topics in Trace Analysis 3 hrs
- PCB 3063: Genetics Laboratory 1 hr
- PCB 3233: Immunology Laboratory 1 hr

6. Capstone Requirements
- None

7. Foreign Language Requirements
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Department Exit Requirements
- Earn a grade of “C” (2.0) or better in each course used to satisfy categories 2, 3, 4, and 5 of the degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 2 and 3 of the departmental degree requirements.
- Achieve at least a minimum overall 2.5 GPA in all courses used to satisfy categories 4 and 5 of the departmental degree requirements.
- The last 30 credit hours of regularly scheduled courses that satisfy degree requirements must be taken in Residence at UCF.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 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
- 124

Honors in Major
- None

Related Programs
- Chemistry
- Forensic Science - Biochemistry Track

Certificates
- Behavioral Forensics
- Crime Scene Investigation

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
- BSC 2010C: Biology I 4 hrs
- ENC 1101: Composition I 3 hrs
- MAC 2311: Calculus with Analytic Geometry I 4 hrs
- CHM 2045C: Chemistry Fundamentals I 4 hrs

Freshman Year - Spring
- PHY 2048C: Physics for Engineers & Scientists I 4 hrs
- CHM 2046: Chemistry Fundamentals II 3 hrs
- CHM 2046L: Chemistry Fundamentals Laboratory 1 hr
- MAC 2312: Calculus with Analytic Geometry II 4 hrs
- CHS 3591: Introduction to Forensic Science 3 hrs

Sophomore Year - Fall
- GEP 3 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- STA 2023: Statistical Methods I 3 hrs
- PHY 2049C: Physics for Engineers and Scientists II 4 hrs
- CHM 2210: Organic Chemistry I 3 hrs

Sophomore Year - Spring
- GEP 3 hrs
- CHM 2211: Organic Chemistry II 3 hrs
- CHM 2211L: Organic Laboratory Techniques I 2 hrs
- Restricted Elective 3 hrs
- ENC 1102: Composition II 3 hrs

Junior Year - Fall
- CHM 3120: Analytical Chemistry 3 hrs
- PCB 3063: Genetics 3 hrs
- CHS 3505C: Forensic Microscopy 4 hrs
- CHS 4537: Forensic Laboratory Quality Assurance 2 hrs
- CHM 3120L: Analytical Chemistry Laboratory 1 hr
- Free Elective 1 hr

Junior Year - Spring
- GEP 3 hrs
- CHS 3595: Forensic Science in the Courtroom 3 hrs
- CHM 4130: Advanced Analytical Laboratory Technique 3 hrs
- Restricted Elective 3 hrs
- CHM 4130L: Advanced Analytical Chemistry Laboratory 2 hrs

Senior Year - Fall
- PCB 3233: Immunology 3 hrs
- CHS 3533: Forensic Biochemistry I 2 hrs
UCF Degree Programs

CHM 3422  Applied Physical Chemistry  3 hrs
CHS 3530C  Forensic Analysis of Controlled Substances  4 hrs
GEP  3 hrs
Free Elective  1 hr
Free Elective  1 hr

Senior Year - Spring  16 hrs
GEP  3 hrs
Restricted Elective  3 hrs
Restricted Elective  3 hrs
CHS 3511C  Trace Evidence  4 hrs
Free Elective  3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $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, mttsson@mail.ucf.edu, 407-823-1522
407-823-2246

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Chemistry.
- Co-op credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Students must complete categories 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and achieve a minimum 2.5 cumulative GPA in categories 2 and 3 prior to enrolling in the courses described in categories 4 and 5.
- Students must maintain a minimum 2.5 cumulative GPA in categories 4 and 5 to continue in the major.
- Individual course prerequisites for enrollment in courses selected to complete categories 4 and 5 will be enforced.
- Courses designated in 2 (Common Program Prerequisites) and 3 (Core Requirements: Basic Level) below and a high Chemistry Placement score:
- Chemistry Placement score:

NOTE: These courses are considered to be equivalents:
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score:
- Chemistry Placement score:

or - Students with little chemistry background should take this two semester equivalent instead.
- Chemistry Placement score:

3. Core Requirements: Basic Level  (20 hrs)
Core Science and Mathematics Requirements

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<th>Course Title</th>
<th>Hours</th>
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<td>BSC 2010C</td>
<td>Biology I</td>
<td>GEP</td>
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<tr>
<td>CHM 2045C</td>
<td>Chemistry Fundamentals I</td>
<td>4 hrs</td>
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<tr>
<td>CHM 2046</td>
<td>Chemistry Fundamentals II</td>
<td>3 hrs</td>
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<tr>
<td>CHM 2046L</td>
<td>Chemistry Fundamentals Laboratory</td>
<td>1 hr</td>
</tr>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>GEP</td>
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<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>GEP</td>
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<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>

4. Core Requirements: Advanced Level  (45 hrs)
A. Forensic Science Core  (18 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHS 3501</td>
<td>Introduction to Forensic Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3505C</td>
<td>Forensic Microscopy</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4537</td>
<td>Forensic Laboratory Quality Assurance</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 3595</td>
<td>Forensic Science in the Courtroom</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CHS 3533</td>
<td>Forensic Biochemistry I</td>
<td>2 hrs</td>
</tr>
<tr>
<td>CHS 4591</td>
<td>Forensic Science Internship</td>
<td>4 hrs</td>
</tr>
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</table>

B. Forensic Biochemistry Track:  (27 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MCB 3020C</td>
<td>General Microbiology</td>
<td>5 hrs</td>
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<tr>
<td>BCH 4053</td>
<td>Biochemistry I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4054</td>
<td>Biochemistry II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BCH 4103L</td>
<td>Biochemical Methods</td>
<td>2 hrs</td>
</tr>
<tr>
<td>PCB 3522</td>
<td>Molecular Biology I</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4524</td>
<td>Molecular Biology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>BSC 3403C</td>
<td>Quantitative Biological Methods</td>
<td>4 hrs</td>
</tr>
<tr>
<td>CHS 4534C</td>
<td>Forensic Biochemistry II</td>
<td>3 hrs</td>
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<tr>
<td>CHS 3533L</td>
<td>Forensic Biochemistry I Laboratory</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

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.

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 residence at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

124

Honors In Major

None

Related Programs

Chemistry

Forensic Science - Analysis Track

Biomedical Sciences

Certificates

None

Related Minors

Chemistry

Biomedical Sciences

Advising Notes

None

Transfer Notes

Lower Division courses taken at community colleges do not substitute for Upper Division courses.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

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 at http://chemplacement.sdes.ucf.edu/

Before registering for Math, take Math Placement Test at http://mathtacement.sdes.ucf.edu/

Freshman Year - Fall

BSC 2010C Biology I 4 hrs

ENC 1101 Composition I 3 hrs

MAC 2311 Calculus with Analytic Geometry I 4 hrs

CHM 2045C Chemistry Fundamentals I 4 hrs

Freshman Year - Spring

PHY 2048C Physics for Engineers & Scientists I 4 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs

CHM 2046L Chemistry Fundamentals Laboratory 1 hr

MAC 2312 Calculus with Analytic Geometry II 4 hrs

CHS 3501 Introduction to Forensic Science 3 hrs

Sophomore Year - Fall

GEP 3 hrs

SPC 1603 Fundamentals of Technical Presentations 3 hrs

STA 2023 Statistical Methods I 3 hrs

PHY 2049C Physics for Engineers and Scientists II 4 hrs

CHM 2211 Organic Chemistry I 3 hrs

Sophomore Year - Spring

GEP 3 hrs

GEP 3 hrs

Junior Year - Fall

PCB 3063 Genetics 3 hrs

PCB 3063L Genetics Laboratory 1 hr

CHS 3505C Forensic Microscopy 4 hrs

CHS 4537 Forensic Laboratory Quality Assurance 2 hrs

Restricted Elective 3 hrs

Free Elective 1 hr

Junior Year - Spring

ENC 1102 Composition II 3 hrs

GEP 3 hrs

CHS 3595 Forensic Science in the Courtroom 3 hrs

CHM 3120 Analytical Chemistry 3 hrs

CHM 3120L Analytical Chemistry Laboratory 1 hr

Senior Year - Fall

PCB 3233 Immunology 3 hrs

PCB 3233L Immunology Laboratory 1 hr

CHS 3533 Forensic Biochemistry I 2 hrs

BCH 4053 Biochemistry I 3 hrs

PCB 3522 Molecular Biology I 3 hrs

PCB 4524 Molecular Biology II 3 hrs

CHS 3533L Forensic Biochemistry I Laboratory 1 hr

Senior Year - Spring

ENC 1102 Composition II 3 hrs

GEP 3 hrs

BCH 4054 Biochemistry II 3 hrs

BCH 4103L Biochemical Methods 2 hrs

BSC 3403C Quantitative Biological Methods 4 hrs

CHS 4534C Forensic Biochemistry II 3 hrs

Senior Year - Summer

CHS 4591 Forensic Science Internship 4 hrs

Equipment Fees

Part-Time Student: $45 per term

Full-Time Student: $90 per term

French (B.A.)

College of Arts and Humanities

Department of Modern Languages and Literatures, Colbourn Hall, Room: 523

http://mll.cah.ucf.edu/

Dr. Paul Giordano
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 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.
UCF Degree Programs

- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.

Courses designated 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
   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) (14 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - 1 FRE 1120C Elementary French Language and Civilization I 4 hrs
   - 1 FRE 1121C Elementary French Language and Civilization II 4 hrs
   - 1 FRE 2200 Intermediate French Language and Civilization I 3 hrs
   - 1 FRE 2201 Intermediate French Language and Civilization II 3 hrs

1 May be met by proficiency test or completion of FRE 2201

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (21 hrs)
   - 1 FRE 3300 French Grammar 3 hrs
   - FRW 3100 Survey of French Literature I 3 hrs
   - 1 FRE 3780 French Phonetics and Diction 3 hrs
   - FOL 3730 Romance Philology 3 hrs
   - Select 1: 3 hrs
     - 1 FRE 3420 French Composition or 3 hrs
     - FRE 4422 Advanced French Composition 3 hrs
   - Select 1: 3 hrs
     - 1 FRE 3760 Advanced French Oral Communication or 3 hrs
     - FRE 4421 Advanced French Conversation 3 hrs
   - Select 1: 3 hrs
     - FRW 3101 Survey of French Literature II or 3 hrs
     - FRW 3770 Francophone Literature 3 hrs

1 A native or near-native French speaker must substitute alternate upper division French courses in consultation with a departmental advisor.

5. Restricted Electives (15 hrs)
   - French literature beyond the survey level (taught in French) 6 hrs
   - French courses 9 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Met by graduation requirements.
   Graduation
   - Met by Common Program Prerequisites

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or higher in at least 36 hours of upper division French courses

- Students are required to satisfactorily complete a departmental exit exam
- Students must submit their portfolio to their French Faculty Advisor
- Computer Competency met by the following, or equivalent:
  - CGS 1060C Introduction to Computer Science 3 hrs

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Spanish
- Modern Language Combination

Certificates
- None

Related Minors
- French
- German
- Italian
- Judaic Studies
- Latin American Area Studies
- Spanish

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oes.ucf.edu/alc/academic_learning_compacts.htm

General Business (B.S.B.A.)

College of Business Administration
Department of Management, Business Administration
II, Room: 101

http://www.bus.ucf.edu/
E-mail: uss@bus.ucf.edu
407-823-2184

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

Admission Requirements
- Completion of the UCF General Education program, Gordon Rule, and CLAS or an AA degree from a Florida Public Community College
- See Common Program Prerequisites

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.
Students wanting to major in General Business must apply for admission to the major.

Final exams will be given during Exam Week.

Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.

Students 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

   B: Cultural & Historical Foundations (9 hrs)
   Required CGS 2100C Computer Fundamentals for Business
   Suggested MAC 1140 Pre-Calculus Algebra

   C: Mathematical Foundations (6 hrs)
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   Suggested ANT 2000 General Anthropology or MAC 2233 Statistical Methods I or Suggested PSY 2012 General Psychology or Suggested SYG 2000 Introduction to Sociology

   D: Social Foundations (6 hrs)
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics
   Suggested PSY 2012 General Psychology or Suggested SYG 2000 Introduction to Sociology

   E: Science Foundations (6 hrs)
   Select 1: Required ECO 2013 Principles of Macroeconomics
   or Required ECO 2023 Principles of Microeconomics
   Suggested MAC 1140 Pre-Calculus Algebra

Select one of the following sequences of courses:

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

ECO 3401 Quantitative Business Tools I 3 hrs
or MAC 2233 Concepts of Calculus and STA 2023 Statistical Methods I 3 hrs

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (32 hrs)
   Core Classes 32 hrs
   First or subsequent semester in the College of Business 32 hrs

   Administration:
   BUL 3130 Legal and Ethical Environment of Business 4 hrs
   ECO 3411 Quantitative Business Tools II and
   FIN 3403C Business Finance and
   1 GEB 3031 Cornerstone: Professional Skills for Business and
   2 GEB 3031L Cornerstone Lab: Professional Skills for Business and
   GEB 3375 Introduction to International Business and
   MAN 3025 Management of Organizations and
   MAR 3203 Supply Chain Management
   1 Required in 1st or 2nd semester
   2 Must be taken with GEB 3031

   Second Level Core 12 hrs
   Students must take at least one course from each of the following areas: Economics (must take ECP 4703), Finance, Management, and Marketing.
   Second Level core electives: must take one class from courses listed below in Finance, Management, and Marketing.

   Economics: Must Select 3 hrs
   ECP 4703 Managerial Economics

   Finance: Select One 3 hrs
   FIN 3303 Financial Markets or
   FIN 3414 Intermediate Corporate Finance or
   FIN 3504 Investment Analysis

   Management: Select One 3 hrs
   GEB 3113 How to Start a Business or
   MAN 3331 Management of Human Resources or
   MAN 4240 Organizations: Theory and Behavior or
   MAN 4441 Conflict Resolution and Negotiation

   Marketing: Select One 3 hrs
   MAR 3403 Sales Force Management or
   MAR 3613 Marketing Analysis and Research or
   MAR 4156 International Marketing or
   MAR 4841 Services Marketing

5. Restricted Electives (12 hrs)
   Restricted electives are to be taken from two different departments and from the courses listed above or below from Economics, at least two of the restricted electives must be at the 4000 level.
   Any other 3000 or 4000 level ECO, ECP, or ECS course may be substituted as an Economics restricted elective. The substitution must be petitioned and have prior written approval.

   ECO 3223 Money and Banking 3 hrs
   ECP 3203 Labor Economics 3 hrs

6. Capstone Requirements (4 hrs)
   MAN 4720 Strategic Management 4 hrs
   This course is taken in the graduating term and requires the following prerequisites:
   FIN 3403C Business Finance 4 hrs
   1 GEB 3031 Cornerstone: Professional Skills for Business
   2 GEB 3031L Cornerstone Lab: Professional Skills for Business
   MAN 3025 Management of Organizations 4 hrs
   MAR 3203 Marketing 4 hrs
   1 Required in 1st or 2nd semester
   2 Must be taken with GEB 3031

7. Foreign Language Requirements
   Admissions
   Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   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 residence at UCF
    A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

    Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
    Total Semester Hours Required
    120

    Honors in Major
    None
UCF Degree Programs

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

**Students take 3 restrictive electives from approved list described above**

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Health Informatics and Information Management 
(B.S.)

College of Health and Public Affairs
Department of Health Management and Informatics, 
Health and Public Affairs II, Room: 210
http://www.cohap.a.ucf.edu/ahmi/bshim.cfm

Dr. Alice M. Noblin, anoblin@mail.ucf.edu
407-823-2353

Admission Requirements
- Separate application to limited access programs 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 admission and October 1st for spring admission. Acceptance to UCF is necessary before acceptance to the program can occur.

This limited access program is work-intensive and includes advanced 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 questions or concerns should contact the program to schedule an appointment with an advisor.

- Students 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 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.
- 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 the program.
- Acceptance to the university does not necessarily constitute admission to the upper division Health Informatics and Information Management Program
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP)

A: Communication Foundations
- Suggested MAC 1105C College Algebra 3 hrs

B: Cultural & Historical Foundations
- Suggested STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I.
- Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program
- Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- ACG 2021-Principles of Financial Accounting may be substituted with ACG X001 and ACG X011.

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Required: 9 hrs

Freshman Year - Spring
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs

Sophomore Year - Fall
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 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

Junior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- Required: 14 hrs

Senior Year - Fall
- ECO 3411 Quantitative Business Tools II 4 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3023 Marketing 4 hrs

Sophomore Year - Spring
- EPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1101 Composition I 3 hrs

Sophomore Year - Fall
- ENC 1102 Composition II 3 hrs

Sophomore Year - Spring
- ECO 2023 Principles of Microeconomics 3 hrs

Junior 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

Junior Year - Fall
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
- Required: 14 hrs
D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)
- Suggested BSC 2010C Biology I 4 hrs
- Suggested CHM 1032 General Chemistry 3 hrs

2. Common Program Prerequisites (CPP) (17 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (66 hrs)
- HSC 3147 Introduction to Pharmacology 3 hrs
- HSA 4109 Principles of Managed Care 3 hrs
- HSA 4191 Health Care Automation 3 hrs
- HSA 4702 Health Sciences Research Methods 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSC 4555 Pathophysiology I 3 hrs
- HSC 4558 Pathophysiology II 3 hrs
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HIM 3116C Health Record Organization and Management 4 hrs
- HIM 3806C Professional Practice Experience I 3 hrs
- HIM 4196C Professional Practice Experience II 3 hrs
- HIM 4228C Coding Procedures I 5 hrs
- HIM 4256C Coding Procedures II 3 hrs
- HIM 4276 Professional Development and Issues in Health Information Management 3 hrs
- HIM 4344C Health Information Department Management 4 hrs
- HIM 4508C Quality Management 3 hrs
- HIM 4656C Health Information Management Systems 3 hrs
- HIM 4838 Management Affiliation 5 hrs

Select 1:
- HSA 4180 Organization & Management for Health Agencies I or
- MAN 3025 Management of Organizations 3 hrs

5. Restricted Electives
- None

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for graduation.
- Upon completion of the approved program, the student is eligible to submit an application for writing the national registration examination administered by the American Health Information Management Association to qualify as a Registered Health Information Administrator.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Health Services Administration
- Business Administration
- Computer Science

Certificates
- None

Transfer Notes
- None

Related Minors
- Health Services Administration
- Business
- Computer Science

Advising Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology or 3 hrs
- ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- BSC 2010C Biology I 4 hrs

Select 1:
- EUH 2000 Western Civilization I or 3 hrs
- HUM 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Select 2:
- POS 2041 American National Government or 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

Sophomore Year - Fall
- ZOO 3733C Human Anatomy 4 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs

Select 1:
- EUH 2001 Western Civilization II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- PCB 3703C Human Physiology 4 hrs
- SPN 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- ARH 2050 History of Western Art I or 3 hrs
- ARH 2051 History of Western Art II or 3 hrs
- MUL 2100 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
# UCF Degree Programs

## Health Sciences - Pre-Clinical Track (B.S.)

### College of Health and Public Affairs

**Department of Health Professions, Health and Public Affairs II, Room: 118**

[http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml](http://www.cohpa.ucf.edu/health.pro/pre-clinical.shtml)

Dr. Suha Saleh, 407-823-2747

The Bachelor of Science degree in Health Sciences Pre-Clinical Track is designed for students with interest in human health leading to graduate study or career advancement. This degree is designed to provide the students with a solid educational background in basic and health-related sciences, while providing the foundation courses required for admission to graduate level clinical programs in health professions including but not limited to physical therapy, physician assistant, and occupational therapy. The flexibility of this program allows students to prepare for multiple careers in health sciences.

## Admission Requirements

- None

## Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
- Students must achieve at least 2.5 overall GPA for graduation.
- No transfer course will be accepted with a grade lower than a "C."

### 1. UCF General Education Program (GEP)

#### A: Communication Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Suggested SPC 1608 Fundamentals of Oral Communication</td>
<td>3 hrs</td>
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</table>

### B: Cultural & Historical Foundations

#### C: Mathematical Foundations

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Required MAC 1105C College Algebra</td>
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### D: Social Foundations

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<tr>
<th>Course</th>
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<tr>
<td>Required PSY 2012 General Psychology</td>
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<tr>
<td>Required ECO 2013 Principles of Microeconomics or ECO 2023 Principles of Microeconomics</td>
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### E: Science Foundations

<table>
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### 2. Common Program Prerequisites (CPP)

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<th>Course</th>
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<tr>
<td>Required MAC 1114 College Trigonometry</td>
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### 3. Core Requirements: Basic Level

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### 1. Students must earn appropriate score on placement exam prior to enrolling in these classes.

### 2. For freshman and sophomore students. The upper level HSC 4008 (3hrs) can be used as a substitution as needed during the junior or senior years.

## 4. Core Requirements: Advanced Level

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<td>Required HSA 4702 Health Sciences Research Methods</td>
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### Degree Requirements

- Students who change to Health Sciences Pre-Clinical Track must adopt the most current catalog.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college, and should usually be completed in the first 60 hours.
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 below). Students should note that graduate programs may require a higher level of performance for admission.
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**5. Restricted Electives (30 hrs)**

- Some courses below may have additional prerequisite courses required. Course selection should be in consultation with an advisor and may vary by student depending on individual needs and objectives. Laboratory courses are required with selection of certain science classes.
- Students must meet restricted elective credit hour requirements and UCF upper division credit hour requirements. These are suggested electives based on disciplines, but it is the student's responsibility to check with graduate programs to meet prerequisites.
- Students are advised to check the Program's website for updated information and suggested electives for specific Health Professions.

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<tr>
<th>Course</th>
<th>Title</th>
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<tr>
<td>HSC 4652</td>
<td>Health Law and Ethics</td>
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</tr>
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<td>HSC 4558</td>
<td>Pathophysiology II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4501</td>
<td>Epidemiology of Chronic Diseases</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PCB 3703C</td>
<td>Human Physiology</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ZOO 3733C</td>
<td>Human Anatomy</td>
<td>4 hrs</td>
</tr>
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**6. Capstone Requirements**

- None

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**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.

**Admissions**

- None

**8. Electives**

- Students who transfer in with a Florida public community college AA degree may need to take upper-level electives to reach the University requirement of 48 semester hours of upper division credit. Students are encouraged to choose from restricted electives list that pertain to their particular graduate program emphasis.

**9. Additional Requirements**

- None

**10. Required Minors**

- None

---

**11. Departmental Exit Requirements**

- Students must achieve at least 2.5 overall GPA for graduation.
- A minimum grade of "C" (2.0) in each program prerequisite course, in each core requirement course, and in each restricted elective is required (see sections 2 through 5 above). Students should note that graduate programs may require a higher level of performance for admission.
- Students must take a minimum of 30 hours of upper-division Health Sciences Pre-Clinical courses from the UCF Health Sciences Pre-Clinical program to obtain the UCF degree in Health Sciences Pre-Clinical Track.

**12. University Minimum Exit Requirements**

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**

- 120

**Honors in Major**

- Interested students should consult with a faculty advisor

**Related Programs**

- Biology
- Athletic Training

**Certificates**

- None

---

**Related Minors**

- Biochemistry
- Biology
- Business
- Chemistry
- Education
- Health Informatics and Information Management
- Health Services Administration
- Molecular Biology and Microbiology
- Psychology
- Immunology
- Science Education

**Advising Notes**

- Students should consult with a college advisor each semester.
- Students should consult a pre-professional advisor before making application to a graduate program.
- Students are required to have a personal interview with an advisor at the Undergraduate Student Services after filing Intent to Graduate form online.

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**Transfer Notes**

- Completion of a Florida public community college Associate of Arts Degree is strongly recommended. Students who transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.
- Students who begin a two-semester sequence course (e.g. General Chemistry, College Physics) at a Florida public community college are strongly encouraged to complete the sequence before transferring. If it will not be possible to complete the sequence at the community college, the student should postpone beginning the course until enrolling at UCF.
- Students who take Anatomy and Physiology at a Florida community college may be required to complete additional upper division credits in order to meet University graduation requirement of 48 credit hours of upper division (3000-4000) level credits.

**Acceptable Substitutes for Transfer Courses**

- Biology I (BSC 2010C) can be substituted by Biology I with Lab (BSC 1010 and BSC 1010L)
- Biology II (BSC 2011C) can be substituted by Biology II with Lab (BSC 1020 and BSC 1020L)
- Chemistry Fundamentals I (CHM 2045C) can be substituted by CHM 1045 and Lab.
- Chemistry Fundamentals II (CHM 2046) and Chemistry Fundamentals Lab (CHM 2046L) can be substituted by CHM 1046 and Lab.
- College Physics I (PHY 2053C) can be substituted by PHY 1053 and Lab.
College Physics II (PHY 2054C) can be substituted by PHY 1054 and Lab.

Human Anatomy (ZOO 3733C) and Human Physiology (PCB 3703C) can be substituted by Human Anatomy and Physiology I & II (BSC X093 and X094 or BSC X085 and X086). Please note that these acceptable transfer courses do not fulfill the 48 hour upper division (3000-4000) credit required by UCF for graduation.

Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

Plan of Study

Freshman Year - Fall 15 hrs

BSC 2010C Biology I 4 hrs
MAC 1105C College Algebra 3 hrs
ENC 1101 Composition I 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
HSC 2000 Introduction to the Allied Health Professions 2 hrs

Junior Year - Fall 13 hrs

Select 1: 3 hrs
STA 2014C Principles of Statistics 3 hrs
STA 2023 Statistical Methods I 3 hrs

Junior Year - Spring 16 hrs

ENC 1102 Composition II 3 hrs
PSY 2012 General Psychology 3 hrs
CHM 2045C Chemistry Fundamentals I 4 hrs
Select 1: 3 hrs
STA 2014C Principles of Statistics or STAT 2023 3 hrs
STA 2023 Statistical Methods I or STAT 2023 3 hrs

Senior Year - Spring 16 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
DEP 2004C Developmental Psychology 3 hrs
ZO0 3733C Human Anatomy 4 hrs
Select 1: 3 hrs
EUH 2000 Western Civilization I 3 hrs
AMH 2010 U.S. History: 1492-1877 or AMH 2020 U.S. History: 1877-Present 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs

Sophomore Year - Fall 14 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
DEP 2004C Developmental Psychology 3 hrs
ZO0 3733C Human Anatomy 4 hrs
Select 1: 3 hrs
EUH 2000 Western Civilization I or AMH 2010 U.S. History: 1492-1877 3 hrs
AMH 2010 U.S. History: 1877-Present 3 hrs
HUM 2210 Humanistic Tradition I 3 hrs

Senior Year - Fall 15 hrs

HSC 3211 Preventive Health Care 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Fall 16 hrs

PCB 3703C Human Physiology 4 hrs
HUN 2002 Modern Concepts in Nutrition 3 hrs
HSC 3147 Introduction to Pharmacology 3 hrs
MAC 1114 College Trigonometry 3 hrs
Select 1: 3 hrs
EUH 2001 Western Civilization II or AMH 2010 U.S. History: 1877-Present 3 hrs
HUM 2230 Humanistic Tradition II or AMH 2020 U.S. History: 1877-Present 3 hrs

Junior Year - Fall 13 hrs

PHY 2053C College Physics I 4 hrs
HSC 4555 Pathophysiology I 3 hrs
Restricted Elective 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs

General Education Foundations (GE) 36 hrs

A: Communication Foundations (9 hrs)
Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
Suggested MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
Suggested CGS 1060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business 3 hrs

C: Mathematical Foundations (6 hrs)
Suggested MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
Suggested CGS 1060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)
Suggested ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
Prefer PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (9 hrs)
Students must earn a “C” (2.0) or better in each Common Program Prerequisite.

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/alp/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.coapa.ucf.edu/hmi/

E-mail: hsainfo@mail.ucf.edu

Dr. Reid Oeljen, Undergraduate Program Director
Dr. Myron Fottler, Executive Director of HSA Programs
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 must complete the General Education Program and the Common Program Prerequisites before transfering 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)
Suggested MAC 1105C College Algebra 3 hrs
Select 1: 3 hrs
Suggested CGS 1060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business 3 hrs

C: Mathematical Foundations (6 hrs)
Suggested MAC 1105C College Algebra 3 hrs
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D: Social Foundations (6 hrs)
Suggested ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
Prefer PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (9 hrs)
Students must earn a “C” (2.0) or better in each Common Program Prerequisite.
UCF Degree Programs

Select 1:
- CGS 2100C Computer Fundamentals for Business or GEP
- CGS 1060C Introduction to Computer Science or GEP

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (48 hrs)
   - Students must earn a “C” (2.0) or better in each Core Requirement
   - 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.

5. Restricted Electives
   - None

6. Capstone Requirements (3 hrs)
   - HSA 4393 Health Services Administration Capstone

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Students who transfer with an AA degree from a Florida public community college and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

8. Electives
   - Students are encouraged to select with their advisor additional Health Service Administration courses as electives or other courses that will enhance their background in the health care industry. These may be used to build minors and certificates offered by the University. Examples include: Health Informatics and Information Management, Health Sciences, Aging Studies, Public Administration, and Business.

9. Additional Requirements
   - None

10. Required Minors
   - None

11. Departmental Exit Requirements
   - Students must earn a “C” (2.0) or better in each Health Services Administration course.

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors in Major
- Interested students should consult with a faculty advisor.

Related Programs
- Public Administration
- Health Informatics and Information Management

Certificates
- Aging Studies

Related Minors
- Aging Studies
- Health Informatics and Information Management
- Health Sciences
- Public Administration

Advising Notes
- Students are urged to have access to a personal computer, modem, and appropriate software to interact with the University and professors.
- A variety of internship opportunities are available for HSA majors all over the country. Students do not have to reside in Central Florida to complete the internship but must meet Eligibility Requirements.
- Students will be assigned a faculty member for the purpose of career advising.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- HSC 2000 Introduction to the Allied Health Professions 2 hrs
- MAC 1105C College Algebra 3 hrs
- Free Elective 3 hrs

Select 1:
- PSY 2012 General Psychology or 3 hrs
- SYG 2000 Introduction to Sociology 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Select 1:
- MUL 2010 Enjoyment of Music or 3 hrs
- THE 2000 Theatre Survey or 3 hrs
- REL 2300 World Religions or 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall
- ECO 2023 Principles of Microeconomics 3 hrs
- BSC 1005 Biological Principles 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs

Select 1:
- 3 hrs
- EUH 2210 Humanistic Tradition I or 3 hrs
- AMH 2010 U.S. History: 1492-1877 or 3 hrs
- WOH 2012 World Civilization I or 3 hrs

Sophomore Year - Spring
- ACG 2071 Principles of Managerial Accounting 3 hrs
- STA 2023 Statistical Methods I or 3 hrs

Select 1:
- EUH 2210 Humanistic Tradition II or 3 hrs
- HUM 2230 Humanistic Tradition II or 3 hrs
- AMH 2020 U.S. History: 1877-Present or 3 hrs
- WOH 2022 World Civilization II or 3 hrs

Sophomore Year - Summer
- Elective / Minor 3 hrs
- 1 Foreign Language 4 hrs

Select 1:
- 3 hrs

Junior Year - Fall
- HSA 3111 U.S. Health Care Systems 3 hrs
- HSC 3537 Medical Terminology 3 hrs
- HSA 4201 Community Health 3 hrs
- HSA 3202 Long Term Care and Administration 3 hrs
- Elective / Minor 3 hrs

1 If not satisfied in high school
UCF Degree Programs

Junior Year - Spring 15 hrs
HSA 3170 Health Care Finance 3 hrs
HSC 4500 Epidemiology 3 hrs
HSA 4180 Organization & Management for Health Agencies I 3 hrs
HSA 4191 Health Care Automation 3 hrs
Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
HSA 4330 Health Care Economics 3 hrs
HSA 4184 Organization & Management for Health Agencies II 3 hrs
HIM 4508C Quality Management 3 hrs
HSA 4702 Health Sciences Research Methods 3 hrs
Elective / Minor 3 hrs

Senior Year - Spring 15 hrs
HSA 4108 Principles of Managed Care 3 hrs
HSC 4564 Health Care Needs of the Elderly 3 hrs
HSC 4652 Health Law and Ethics 3 hrs
HSA 4939 Health Services Administration Capstone 3 hrs
HSA 4850 Health Services Administration Internship 1 hr

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

History (B.A.)
College of Arts and Humanities
Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: history@mail.ucf.edu
Dr. Rosalind J. Beiler
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 at 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)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Select one course from 1.B.1 list 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required AMH 2010 U.S. History: 1492-1877 3 hrs
- Required AMH 2020 U.S. History: 1877-Present 3 hrs
- Select one course from 1.B.1 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1108 Finite Mathematics 3 hrs
- Prefer CGS 1000C Introduction to Computer Science 3 hrs

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

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

AMH 2010 U.S. History: 1492-1877 GEP
AMH 2020 U.S. History: 1877-Present GEP

3. Core Requirements: Basic Level (6 hrs)
- Select one of the following sequences of courses:
  - Select one sequence
    EUH 2000 Western Civilization I and 3 hrs
    EUH 2001 Western Civilization II 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

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of historical interest.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in upper division required courses attempted.
- Submit a portfolio during the semester of graduation. The portfolio will include 8-12 examples of graded, written work from UCF History classes.
- Computer competency met by completion of the major.
- Students must complete at least 18 of the required 36 History credit hours at UCF.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Humanities
- Certificates
- None

Related Minors
- African American Studies
- Asian Studies
- Humanities
- Judaic Studies
- Latin American Area Studies
Women’s Studies
American 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:
   3. AMH 2010 is a prerequisite for subsequent American History courses.
   4. 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
AMH 2010 U.S. History: 1492-1877 3 hrs
ENC 1101 Composition I 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Freshman Year - Spring 15 hrs
AMH 2020 U.S. History: 1877-Present 3 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs
GEP 3 hrs
GEP 3 hrs

Sophomore Year - Fall 16 hrs
SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
GEP 3 hrs
Core Course 3 hrs
CGS 1060C Introduction to Computer Science 3 hrs
Restricted Elective 3 hrs

Sophomore Year - Spring 16 hrs
SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
Core Course 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Fall 15 hrs
HIS 4150 History and Historians 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Junior Year - Spring 13 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

 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
407-903-8000

Admission Requirements
None

Degree Requirements
None

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required MAC 1105C College Algebra 3 hrs
   Select 1: 3 hrs
   Required CGS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs

2. Social Foundations (6 hrs)
   Select 1: 3 hrs
   Required ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
   Required ECO 2023 Principles of Microeconomics 3 hrs

3. Core Requirements: Basic Level (34 hrs)
   Hospitality Management Core 34 hrs
   FSS 2221C Techniques of Food Preparation 4 hrs
   HFT 3540 Guest Services Management I 3 hrs
   HFT 2401 Hospitality Industry Financial Accounting 3 hrs
   HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
   HFT 2500 Hospitality and Tourism Marketing 3 hrs
   HFT 2220 Hospitality Human Resources Management 3 hrs
   HFT 3444 Hospitality Information Systems 3 hrs
   HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
   HFT 4464 Hospitality Industry Finance 3 hrs
   HFT 4286 Hospitality Communications 3 hrs
   HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

   Quantitative Tools
   MAC 1105C College Algebra GEP
   Select 1: CSS 2100C Computer Fundamentals for Business or STA 2023 Statistical Methods I GEP
   Select 1: ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics GEP

   4. Core Requirements: Advanced Level (21 hrs)
      Sectoral Core (Choose 6 of the Following 7) 18 hrs
      Select 6: 18 hrs
      HFT 2254 Lodging Operations or HFT 3700 Tourism Management or HFT 2750 The Event Industry or HFT 3263 Restaurant Management or HFT 3273 Principles of Resort Timesharing or HFT 4755 Theme Park and Attraction Management or HFT 4277 Yacht, Country, and Club Industry Management 3 hrs
## Golf and Club Management Track (15 hrs)

- HFT 3840 Internship 1 hr
- HFT 4941 Internship 1 hr
- HFT 4944 Practicum 1 hr

### 5. Restricted Electives (15 hrs)

- Students must take 15 credit hours (five courses) from the following:
  - FSS 3015 Culture and Cuisine 3 hrs
  - FSS 4135 Corporate Contract and Managed Services Organizations 3 hrs
  - FSS 4286C Catering and Banquet Organization 3 hrs
  - HFT 3353 Golf Planning & Operations I 3 hrs
  - HFT 3354 Agronomy for Golf Course Management 3 hrs

### 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

- **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 3 hrs
- STA 2023 Statistical Methods 3 hrs

### Select 1:

- PSY 2012 General Psychology 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
ANT 2000 General Anthropology 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MAC 1105C College Algebra 3 hrs
HFT 2500 Hospitality and Tourism Marketing 3 hrs
ANT 2511 The Human Species 3 hrs

Sophomore Year - Fall 15 hrs
HFT 2220 Hospitality Human Resources Management 3 hrs
AST 2002 Astronomy 3 hrs

Select 1:
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
HFT 2254 Lodging Operations or 3 hrs
HFT 2750 The Event Industry 3 hrs

Sophomore Year - Spring 13 hrs
FSS 221C Techniques of Food Preparation 4 hrs
HFT 2401 Hospitality Industry Financial Accounting 3 hrs
HFT 3444 Hospitality Information Systems 3 hrs
HFT 3277 The Human Species 3 hrs

Junior Year - Fall 14 hrs
HFT 3450 Guest Services Management I 3 hrs
HFT 3603 Legal Environment in the Hospitality and Tourism Industry 3 hrs
HFT 3431 Hospitality Industry Managerial Accounting 3 hrs
HFT 3940 Internship 1 hr

Junior Year - Spring 16 hrs
HFT 4941 Internship 1 hr

Select 4:
HFT 2750 The Event Industry or 3 hrs
HFT 2254 Lodging Operations or 3 hrs
HFT 3700 Tourism Management or 3 hrs
HFT 3283 Restaurant Management or 3 hrs
HFT 3273 Principles of Resort Timesharing or 3 hrs
HFT 4755 Theme Park and Attraction Management or 3 hrs
HFT 4277 Yacht, Country, And City Club Management 3 hrs

Senior Year - Fall 15 hrs
HFT 4286 Hospitality Communications 3 hrs
HFT 4464 Hospitality Industry Finance 3 hrs
HFT 4944 Practicum 1 hr

Senior Year - Spring 15 hrs
HFT 4295 Leadership and Strategic Management in Hospitality Industry 3 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oeas.ucf.edu/alcs/academic_learning_compacts.htm

Equipment Fees
Part-Time Student: $37.50 per term
Full-Time Student: $75 per term

Humanities (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans
407-823-2273

Admission Requirements
None

Degree Requirements
Students who change degree programs and select this major must adopt the most current catalog.

- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a C (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses used to fulfill another major may be simultaneously applied to the B.A. in Humanities.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
Suggested HUM 2210 Humanistic Tradition I
Suggested HUM 2230 Humanistic Tradition II

Select 1: 3 hrs
Prefer PHI 2010 Introduction to Philosophy or
Prefer REL 2300 World Religions

C: Mathematical Foundations (6 hrs)
1 Prefer MGF 1106 Finite Mathematics
Prefer STA 1060C Basic Statistics Using Microsoft Excel

1 (may substitute a higher level math)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
None

3. Core Requirements: Basic Level (24 hrs)
HUM 2210 Humanistic Tradition I GEP
HUM 2230 Humanistic Tradition II GEP
HUM 2020 Encountering the Humanities 3 hrs
HUM 4933 Senior Research Seminar 3 hrs

4. Core Requirements: Advanced Level (24 hrs)
Concentrations (choose one):
Note: Appropriate new or special topics courses in philosophy or humanities may be substituted for some courses with prior approval by department advisor.

Classical Humanities 24 hrs
Western Traditions and Applications 9 hrs
ARH 4310 Italian Renaissance Art or 3 hrs
ARH 4170 Greek & Roman Art or 3 hrs
HUM 3552 Christian Thought or 3 hrs
REL 3553 Moses, Jesus and Muhammad or 3 hrs
CLT 3370 Classical Mythology or 3 hrs
CLT 3378 Comparative Mythology or 3 hrs
JST 3401 Jewish People in Antiquity or 3 hrs
REL 3432 Roots of Western Mysticism or 3 hrs
PHI 3100 Ancient Philosophy or 3 hrs
PHI 3200 Medieval Philosophy or 3 hrs
PHI 3460 Modern Western Philosophy 3 hrs

World Intellectual Traditions 6 hrs
ANT 3245 Native American Religions or 3 hrs
HUM 3401 Asian Humanities or 3 hrs
HUM 3417 Hindu Thought and Culture or 3 hrs
HUM 3419 Islamic Thought and Culture or 3 hrs
HUM 3460 Latin American Humanities or 3 hrs
HUM 4303 The Spiritual Ideal or 3 hrs
HUM 4554 Religious Quest and Human Dilemma or 3 hrs
PHI 3790 African Philosophy or 3 hrs
PHP 3781 African-American Philosophy or 3 hrs
REL 3340 Buddhist Thought 3 hrs

Foundations 3 hrs
HUM 4301 The Classical Ideal 3 hrs

Select 2: 6 hrs
HUM 3431 Ancient Humanities or 3 hrs
HUM 3435 Medieval Humanities or 3 hrs
HUM 3255 Modern Humanities 3 hrs

1 Only one of these courses may be taken.
# UCF Degree Programs

## Multicultural Humanities 24 hrs
- ANT 3311 Indians of the Southeastern United States 3 hrs
- ARH 3520 African Art 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
- REL 3353 Moses, Jesus and Muhammad or 3 hrs
- HUM 3460 Latin American Humanities or 3 hrs
- JST 3401 Jewish People in Antiquity or 3 hrs
- PHH 3701 Native American Philosophy or 3 hrs
- PHM 3123 Feminist Theories or 3 hrs
- PHI 3790 African Philosophy 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
- HUM 3255 Modern Humanities and 3 hrs
- HUM 3252 Contemporary Humanities and 3 hrs
- PHI 4804 Critical Theory 3 hrs

### Traditions and Applications 15 hrs
- HUM 4330 Performance Theory or 3 hrs
- HUM 4554 Religious Quest and Human Dilemma or 3 hrs
- HUM 3394 Representations of Place and Space or 3 hrs
- PHH 3510 Marx and Nietzsche or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 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)
- 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.

### 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.

#### 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.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- 120

#### Honors in Major (33 hrs)
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

- **Honors Thesis**
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

#### Additional Requirements
- Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn a "B" (3.0) or better in both of the following:
  - HUM 4903H Honors Directed Reading I 3 hrs
  - HUM 4970H Undergraduate Honors Thesis 3 hrs

#### Core and Elective Requirements 33 hrs
- Same requirements as for regular majors.

#### Related Programs
- Religious Studies
- Philosophy
- Humanities - Philosophy, Religion, & Popular Culture Track

#### Certificates
- None

#### Related Minors
- Environmental Studies
- Humanities
- Philosophy
- Religious Studies

#### Advising Notes
- None

#### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

#### Acceptable Substitutes for Transfer Courses
- None

#### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall 16 hrs
- ENC 1101 Composition I 3 hrs
- HUM 2210 Humanistic Tradition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- HUM 2020 Encountering the Humanities 3 hrs
- Foreign Language 4 hrs

### Freshman Year - Spring 16 hrs
- ENC 1102 Composition II 3 hrs
- HUM 2230 Humanistic Tradition II 3 hrs
Humanities - Philosophy, Religion, & Popular Culture Track (B.A.)

College of Arts and Humanities
Department of Philosophy, Psychology Building, Room: 220
http://www.philosophy.cah.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Doug Evans, dikanev@mail.ucf.edu, 407-823-2273
Dr. Shelley Park (Cocoa Campus), spark@mail.ucf.edu, 321-433-7819

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.

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.coeas.ucf.edu/alc/academic_learning_compacts.htm

Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

B: Cultural & Historical Foundations (9 hrs)

Suggested HUM 2210 Humanistic Tradition I 3 hrs
Suggested HUM 2230 Humanistic Tradition II 3 hrs

Select 1: 3 hrs

Suggested REL 2300 World Religions or
Suggested PHI 2010 Introduction to Philosophy 3 hrs

C: Mathematical Foundations (6 hrs)

1 Prefer MGF 1106 Finite Mathematics 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

HUM 2210 Humanistic Tradition I GEP
HUM 2230 Humanistic Tradition II GEP
PHI 2010 Introduction to Philosophy GEP

4. Core Requirements: Advanced Level (18 hrs)

Core Requirements

Theoretical Foundations 6 hrs

PHI 3684 Ways of Living and 3 hrs
PHI 4341 Ways of Knowing 3 hrs

Philosophy 6 hrs

PHI 3670 Ethical Theory or 3 hrs
PHI 3700 Philosophy of Religion or 3 hrs
PHI 3800 Aesthetics or 3 hrs
PHI 3100 Freedom and Justice or 3 hrs
PHI 3720 Faith and Reason or 3 hrs
PHP 3786 Existentialism or 3 hrs
PHI 4804 Critical Theory or 3 hrs
PHI 4300 Theories of Knowledge or 3 hrs
PHI 2108 Critical Thinking 3 hrs

Religion 6 hrs

CLT 3378 Comparative Mythology or 3 hrs
HUM 3352 Christian and Islamic Thought or 3 hrs
REL 3553 Moses, Jesus and Muhammad or 3 hrs
HUM 3417 Hindu Thought and Culture or 3 hrs
HUM 3419 Islamic Thought and Culture or 3 hrs
HUM 4303 The Spiritual Ideal or 3 hrs
HUM 4554 Religious Quest and Human Dilemma or 3 hrs
PHI 3750 The Problem of Evil 3 hrs

Popular Culture Studies 12 hrs

Contemporary Media 6 hrs

HUM 3320 Contemporary Multicultural Studies or 3 hrs
HUM 4566 Religion and the Arts or 3 hrs
HUM 4330 Performance Theory or 3 hrs
PHI 3628 Virtual Ethics or 3 hrs
PHI 4931 Philosophy in the News or 3 hrs
POS 3235 Mass Media and Politics or 3 hrs
POS 3258 Politics in Film or 3 hrs
REL 3115 Religion, Spirituality, and Popular Music or 3 hrs
REL 3111 Religion and Philosophy Through Film or 3 hrs
SYP 3630 Popular Culture in Society 3 hrs

Contemporary Forms of Life 6 hrs

ANT 3302 Sex, Gender and Culture or 3 hrs
HUM 3252 Contemporary Humanities or 3 hrs
PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
PHI 3629 Family Values or 3 hrs
PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
PHM 3401 Philosophy of Law or 3 hrs
PHI 3638 Ethical Issues in the 21st Century or 3 hrs
PHI 3683 Philosophy of Friendship or 3 hrs
PHM 3020 Philosophy of Love or 3 hrs
PHM 3123 Feminist Theories or 3 hrs
UCF Degree Programs

**PHI 4321** Philosophies of Embodiment: Mind/Body/Self or 3 hrs
**REL 3131** Religion in America 3 hrs

5. Restricted Electives

- None

6. Capstone Requirements (3 hrs)
**HUM 4933** Senior Research Seminar 3 hrs

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement. Majors who are contemplating graduate school should complete two years of a foreign language, preferably one functional in their area of proposed graduate interest.

8. Electives
- 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 4970H** Undergraduate Honors Thesis 3 hrs
  **HUM 4903H** Honors Directed Reading I 3 hrs
  **STA 1060C** Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honors In Major
- Students considering graduate school in humanities are strongly encouraged to take Honors in the Major. Requirements are as follows:

a. Core Requirements, Popular Culture and Capstone 33 hrs
- Same requirements as for regular majors

b. Honors Thesis 6 hrs
**HUM 4903H** Honors Directed Reading I 3 hrs
**HUM 4970H** Undergraduate Honors Thesis 3 hrs

c. Additional Requirements of Honors in the Major
- Application and admission through the Humanities Honors Coordinator
- Fulfill University requirements for Honors in the Major
- Maintain a UCF GPA of at least 3.2 and a Humanities GPA of at least 3.5
- Successful completion and oral defense of Honors thesis
- No more than 2 courses (i.e., 9 credit hours of 3000 or 4000 level courses applied to the B.A. in Humanities: Philosophy, Religion & Popular Culture may be simultaneously applied to fulfill another major.
- Earn a “B” (3.0) or better in both of the following:
  **HUM 4903H** Honors Directed Reading I 3 hrs
  **HUM 4970H** Undergraduate Honors Thesis 3 hrs

Related Programs
- Humanities
- Philosophy
- Religious Studies

Certificates
- None

Related Minors
- Humanities
- Philosophy
- Religious Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oesas.ucf.edu/alc/academic_learning_compacts.htm

Industrial Engineering (B.S.I.E.)

College of Engineering and Computer Science

Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.iems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu
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
- Prefer SPC 1603 Fundamentals of Technical Presentations 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Select two courses from Historical Foundations 6 hrs
- Select one class from Cultural Foundations 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3023 Probability and Statistics for Engineers 3 hrs

D: Social Foundations (6 hrs)
- Select 1:
  - Prefer ECO 2023 Principles of Microeconomics 3 hrs
  - Prefer ECO 2033 Principles of Macroeconomics 3 hrs
- Select one class from Social Foundations Group 2 3 hrs

Authorized Departmental Proliferation: None
### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
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<td>Calculus with Analytic Geometry I</td>
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<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1 hr</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (59 hrs)

#### Courses Required for the Major (59 hrs)
- The Industrial Engineering and Management Systems department requires all students within the major to achieve a “C” (2.0) GPA or better in all courses in this section with a prefix of EIN, ESI, and STA.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EGN 4624</td>
<td>Engineering Administration</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3001</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3314</td>
<td>Work Analysis and Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3354</td>
<td>Principles of Cost Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628C</td>
<td>Industrial Engineering Applications of Computers</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4243C</td>
<td>Human Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4364</td>
<td>Facilities Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4391</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4221</td>
<td>Empirical Methods for Industrial Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4234</td>
<td>Quality Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4312</td>
<td>Operations Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4523C</td>
<td>Systems Simulation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statistics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3323</td>
<td>Introduction to Programming with C</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3321</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
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</table>

#### Select 1: (3 hrs)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EGN 3358</td>
<td>Thermo-Fluids-Heat Transfer</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3343</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Select 2: (4 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.

### 5. Restricted Electives (4 hrs)
- Courses with significant programming content in C, C++, or Java may be used to satisfy this requirement but must be approved by the IEMS undergraduate coordinator.

### 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. Departamental Exit Requirements (6 hrs)
- None

### 12. University Minimum Exit Requirements
- None

### Transfer Notes
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.
- EIN 1006C and EGN 1007C are required courses for incoming freshmen only. The credits for these two courses (one hour each) may, with prior approval of the department academic advisor, be moved to the area 5. Restricted Electives.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study (128 hrs)
- Tentative Course Schedule for Entering Freshmen: The tentative course schedule listed below is a guide for those students who plan on completing their degree in four years. All engineering students should meet with their faculty advisor to develop and maintain an appropriate plan of study.

#### Freshman Year - Fall (12 hrs)
- ENC 1101 Composition I | 3 hrs
- EGN 1006C Introduction to the Engineering Profession | 3 hrs
- PHY 2048C Physics for Engineers & Scientists I | 4 hrs

#### Freshman Year - Spring (12 hrs)
- ENC 1102 Composition II | 3 hrs
- EIN 3354 Principles of Cost Engineering | 3 hrs
- PHY 2049C Physics for Engineers and Scientists II | 4 hrs

#### Freshman Year - Summer (6 hrs)
- COP 3233 Introduction to Programming with C | 3 hrs
### UCF Degree Programs

<table>
<thead>
<tr>
<th>Select 1:</th>
<th></th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
<td>3 hrs</td>
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**Sophomore Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>EIN 3001</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers and Scientists II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3 hrs</td>
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<tr>
<td>EIN 4904</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4364</td>
<td>Facilities Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4391</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
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</table>

**Junior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3310</td>
<td>Engineering Analysis-Statics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4517</td>
<td>Systems Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4243C</td>
<td>Human Engineering</td>
<td>3 hrs</td>
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**Junior Year - Summer**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 3613</td>
<td>Engineering Economic Analysis</td>
<td>2 hrs</td>
</tr>
<tr>
<td>EGP</td>
<td>Engineering Analysis-Dynamics</td>
<td>3 hrs</td>
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**Sophomore Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 3314</td>
<td>Work Analysis and Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4391</td>
<td>Manufacturing Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 3354</td>
<td>Principles of Cost Engineering</td>
<td>3 hrs</td>
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<tr>
<td>ESI 4312</td>
<td>Operations Research</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4628C</td>
<td>Industrial Engineering Applications of Computers</td>
<td>3 hrs</td>
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**Junior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>EIN 4364</td>
<td>Facilities Planning</td>
<td>3 hrs</td>
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<tr>
<td>ESI 4221</td>
<td>Empirical Methods for Industrial Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4523C</td>
<td>Systems Simulation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>Production and Distribution Systems</td>
<td>3 hrs</td>
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**Senior Year - Spring**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EIN 4916C</td>
<td>Systems Analysis and Design</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ESI 4234</td>
<td>Quality Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4624</td>
<td>Engineering Administration</td>
<td>3 hrs</td>
</tr>
</tbody>
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**Senior Year - Fall**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EIN 4904</td>
<td>Project</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3358</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 3434</td>
<td>Thermodynamics</td>
<td>3 hrs</td>
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**Junior Year - Summer**

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<tr>
<th>Course</th>
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<td>EGP</td>
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<td>3 hrs</td>
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**Senior Year - Fall**

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<tbody>
<tr>
<td>EIN 4956</td>
<td>Systems Analysis and Design</td>
<td>3 hrs</td>
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<tr>
<td>ESI 4234</td>
<td>Quality Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
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<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3 hrs</td>
</tr>
<tr>
<td>EGN 4624</td>
<td>Engineering Administration</td>
<td>3 hrs</td>
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**Senior Year - Spring**

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<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
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<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
<td></td>
</tr>
<tr>
<td>ESN 4624</td>
<td>Engineering Administration</td>
<td>3 hrs</td>
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<tr>
<td>Project</td>
<td>3 hrs</td>
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</tr>
<tr>
<td>EGP</td>
<td>3 hrs</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](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

### Information Technology (B.S.)

**College of Engineering and Computer Science**

**Department of Electrical Engineering and Computer Science**, Harris Corp. Engineering Center, Room: **346**


**E-mail:** undergraduate@eecs.ucf.edu

Dr. Ali Orooji

407-823-3327

**Admission Requirements**

- None

**Degree Requirements**

- “C” (2.0) or better required in all prerequisites and courses required for the major.
- Students should consult with a departmental advisor.
- A Residency Requirement consists of at least 24 semester hours of regularly scheduled 3000-5000 level courses taken from the School of Computer Science at UCF.
- 12 of the 24 Residency hours must be at the 4000-5000 level.

1. **UCF General Education Program (GEP)** (37 hrs)

   **A: Communication Foundations** (9 hrs)
   - Required ENC 1101 Composition I 3 hrs
   - Required ENC 1102 Composition II 3 hrs

   **Select 1:**
   - Prefer SPC 1603 Fundamentals of Technical Presentations or
   - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

   **B: Cultural & Historical Foundations** (9 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs

   **Select 1:**
   - Suggested MAC 1105C College Algebra or
   - Suggested MAC 1140 Pre-Calculus Algebra 3 hrs

   **C: Mathematical Foundations** (6 hrs)
   - Required STA 2023 Statistical Methods I 3 hrs

   **Select 1:**
   - Suggested MAC 1105C College Algebra or
   - Suggested MAC 1140 Pre-Calculus Algebra 3 hrs

   **D: Social Foundations** (6 hrs)
   - Required ECO 2013 Principles of Macroeconomics 3 hrs
   - Required PSY 2012 General Psychology 3 hrs

   **E: Science Foundations** (7 hrs)
   - Required PHY 2053C College Physics I 4 hrs
   - Select one 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.

   **MAC 1114** College Trigonometry 3 hrs

   **ECO 2013** Principles of Macroeconomics GEP

   **PSY 2012** General Psychology GEP

   **PHY 2053C** College Physics I GEP

   **COP 3223** Introduction to Programming with C 3 hrs

   **COP 3330** Object Oriented Programming 3 hrs

   **CGS 2545C** Database Concepts 3 hrs

   **STA 2023** Statistical Methods I GEP

   **Select 1:**
   - MAD 2104 Foundations of Discrete Math or
   - COT 3100C Introduction to Discrete Structures 3 hrs

3. **Core Requirements: Basic Level**

   - None

4. **Core Requirements: Advanced Level** (51 hrs)

   - A “C” (2.0) or better is required in all these courses.

   **Core Requirements** (45 hrs)

   **COP 3502C** Computer Science I 3 hrs

   **CIS 3360** Security in Computing 3 hrs

   **CAP 4104** Human and Technology Interaction 3 hrs

   **EEL 3041** Circuit Analysis 3 hrs

   **CGS 3269** Computer Architecture Concepts 3 hrs

   **CNT 3004** Computer Network Concepts 3 hrs

   **CIS 3003** Fundamentals of Information Technology 3 hrs

   **CIS 4313** Managing IT Integration 3 hrs

   **CNT 4714** Enterprise Computing 3 hrs

   **CIS 4004** Web-Based Information Technology 3 hrs
### UCF Degree Programs

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<th>Course Name</th>
<th>Hours</th>
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<td>CNT 4703C</td>
<td>Design and Implementation of Computer</td>
<td>3</td>
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<tr>
<td></td>
<td>Communication Networks</td>
<td></td>
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<tr>
<td>COP 4910</td>
<td>Frontiers in Information Technology</td>
<td>3</td>
</tr>
<tr>
<td>PHI 3626</td>
<td>Advanced Ethics in Science and Technology</td>
<td>3</td>
</tr>
<tr>
<td>CGS 3763</td>
<td>Operating System Concepts</td>
<td>3</td>
</tr>
<tr>
<td>CNT 4603</td>
<td>System Administration and Maintenance</td>
<td>3</td>
</tr>
</tbody>
</table>

**Support Courses**
- A "C" (2.0) or better is required in all these courses.

**Select 1:**
- ENC 4293: Documentation and the Collaborative Process or
- ENC 4265: Writing for the Computer Industry or
- ENC 4414: Writing and Hypertext or
- ENC 4415: Digital Rhetorics and The Modern Dialectic

**Select 1:**
- ENC 3241: Writing for the Technical Professional or
- ENC 3211: Theory and Practice of Technical Writing or
- ENC 3250: Professional Writing

**5. Restricted Electives**
- 6 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

**7. Foreign Language Requirements**
- None

**Admissions**
- None

**Graduation**
- 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
- ENC 1101: Composition 1 3 hrs
- SPC 1603: Fundamentals of Technical Presentations 3 hrs
- COP 3223: Introduction to Programming with C 3 hrs

#### Select 1:
- ENC 1102: Composition II 3 hrs
- MAC 1114: College Trigonometry 3 hrs
- COP 3520C: Computer Science I 3 hrs
- ECO 2013: Principles of Macroeconomics 3 hrs
- PSY 2012: General Psychology 3 hrs

#### Sophomore Year - Fall
- MAD 2104: Foundations of Discrete Math 3 hrs
- COP 3330: Object Oriented Programming 3 hrs
- PHY 2053C: College Physics I 4 hrs
- CIS 3003: Fundamentals of Information Technology 3 hrs
- GEP 3 hrs

#### Sophomore Year - Spring
- CGS 3269: Computer Architecture Concepts 3 hrs
- STA 2023: Statistical Methods I 3 hrs
- CGS 2545C: Database Concepts 3 hrs
- GEP 3 hrs

#### Junior Year - Fall
- CAP 4104: Human and Technology Interaction 3 hrs
- EEL 3041: Circuit Analysis 3 hrs
- CNT 3004: Computer Network Concepts 3 hrs
- CIS 3360: Security in Computing 3 hrs

#### Select 1:
- ENC 3241: Writing for the Technical Professional or
- ENC 3211: Theory and Practice of Technical Writing or
- ENC 3250: Professional Writing

#### Junior Year - Spring
- CIS 4313: Managing IT Integration 3 hrs
- PHIL 3628: Advanced Ethics in Science and Technology 3 hrs
- GEP 3 hrs
- CGS 3763: Operating System Concepts 3 hrs

#### Select 1:
- ENC 4265: Writing for the Computer Industry or
- ENC 4493: 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
- CNT 4703C: Design and Implementation of Computer Communication Networks 3 hrs
- CIS 4004: Web-Based Information Technology 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- CNT 4603: System Administration and Maintenance 3 hrs

#### Senior Year - Spring
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- COP 4910: Frontiers in Information Technology 3 hrs
- CNT 4714: Enterprise Computing 3 hrs

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeras.ucf.edu/alc/academic_learning_compacts.htm)

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

Interdisciplinary Studies (B.A. / B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
407-823-0144

Interdisciplinary Studies is a university-wide program leading to either the Bachelor of Arts or the Bachelor of Science in Interdisciplinary Studies, depending on the concentration of work selected in consultation with an Interdisciplinary Studies adviser. The program is administered through the Office of Interdisciplinary Studies and is designed for academic flexibility. It recognizes that there are many combinations of courses that meet the needs of individual students. This program may be taken online; however, there are limited area, course, and minor selections available. Advisement is required from a member of the Interdisciplinary Studies Advising Team. Students may not be able to complete all courses online. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via online courses. For more information, see http://online.ucf.edu/.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major at least two semesters before graduation.
- Co-op credit cannot be used in this major.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies or internships will not be counted towards the major.
- Students must earn at least a “C” (2.0) in each core and restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser to enter the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No courses can count in more than one subject area or in a subject area and a minor.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second major, must complete all restricted elective credits exclusive of the credits done for the other degree(s) or major(s), including any minors associated with that degree or degrees.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
- None

3. Core Requirements: Basic Level (6 hrs)
   IDS 3933 Cornerstone Experience 3 hrs
   IDS 4934 Capstone Experience 3 hrs

4. Core Requirements: Advanced Level
- None

5. Restricted Electives (30 hrs)
- Students must complete two different subject area concentrations from among those specified below.
- Students must take a minimum of 15 hours of approved courses in each selected subject area (excluding GEP courses). Courses are considered approved only when they have been reviewed by an Interdisciplinary Studies adviser and not simply when they appear on a student audit.
- Students are required to take a minimum of 15 UCF hours, as well as 15 upper division hours, in the two areas combined.
- See the Interdisciplinary Studies Advising Team for details regarding each area:
  - Arts
  - Behavioral and Social Sciences
  - Commerce
  - Communication
  - Computational Sciences
  - Education
  - Engineering
  - Health
  - Humanities
  - Letters and Modern Languages
  - Physical Sciences
  - Life/Biomedical Sciences
  - Public Affairs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- BA: Met by graduation requirement.
- BS: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Note: Students entering without having met the admission requirements must do so in order to graduate.

Graduation
- BA: Proficiency equivalent to one year of college instruction in either a foreign language or proficiency equivalent to American Sign Language III. Standardized examinations may be used to meet the requirement.
- BS: Proficiency equivalent to one semester of college instruction in a foreign language or one course with a multicultural dimension. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses, with an Interdisciplinary Studies adviser’s approval.

9. Additional Requirements
- None

10. Required Minors
- Students must complete a minor from those offered at UCF. The minor cannot overlap with the two subject areas. Minimum hours required for a minor is eighteen. The minor degree audit must be approved by, and completion of the minor certified by, the department offering the minor.

11. Departmental Exit Requirements
- A grade of “C” or above (2.0) is required for each course in the core and restricted electives.
- Computer Competency met by completing this major.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Interdisciplinary Studies - Environmental Studies Track
- Interdisciplinary Studies - Women’s Studies Track

Certificates
- None

Related Minors
- Most UCF minors

Advising Notes
- None
Interdisciplinary Studies - Environmental Studies

Track (B.S.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I,
Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
407-823-0144

The Environmental Studies track is a program that prepares students for a number of interesting and challenging careers. Its interdisciplinary nature provides students with tools that can be applied across a spectrum of science, social behavior, and humanities, using the strengths of the various areas. Students seeking journalistic or artistic careers will gain a scientific background by which to understand environmental science, while students going into the sciences will appreciate the social, political, and ethical dimensions of environmental actions and policy decisions.

Admission Requirements

■ None

Degree Requirements

■ Students who change degree programs and select this major must adopt the most current catalog
■ Students must have declared an Interdisciplinary Studies major at least one semester before graduation
■ Independent study forms must be approved by the director prior to taking an independent study or internship for use in the program; non-approved independent studies will not be counted towards the major
■ Co-op credit cannot be used in the major
■ Students must earn at least a "C" (2.0) grade in each required course in the core and subject areas
■ Students must consult with an Interdisciplinary Studies adviser when entering the program
■ Courses designated in 1 (General Education Program) and 2 (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 1105C College Algebra 3 hrs
   Required STA 2023 Statistical Methods I 3 hrs
   1 may take a higher level math
   D: Social Foundations (6 hrs)
   Required SYG 2000 Introduction to Sociology 3 hrs
   Select 1:
   Required ECO 2013 Principles of Macroeconomics 3 hrs
   or
   Required ECO 2023 Principles of Microeconomics 3 hrs

2. Common Program Prerequisites (CPP) (11 hrs)
   ■ None

3. Core Requirements (19 hrs)
   E: Science Foundations (8 hrs)
   Required BSC 2010C Biology I 4 hrs
   Required CHM 2045C Chemistry Fundamentals I 4 hrs

4. Core Requirements: Advanced Level (18 hrs)
   Environmental Studies Fundamentals
   IDS 3150 Foundations of Environmental Studies 3 hrs
   ECP 3302 Economics and the Environment 3 hrs
   GIS 3043C GIS for Environmental Studies 3 hrs
   GIS 4301C Advanced GIS Applications in Environmental Studies 4 hrs
   PUB 3203 Political Science 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.

Environmental Studies track majors.
BCH 4053 Biochemistry I 3 hrs
BCH 4054 Biochemistry II 3 hrs
BOT 3152C Local Flora 3 hrs
BOT 3802 Ethnobotany 3 hrs
BOT 4156C Florida Wildflowers 4 hrs
BOT 4303C Plant Kingdom 4 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
OCE 3008 Oceanography 3 hrs
PCB 3083 Genetics 3 hrs
PCB 3303C River Ecology 4 hrs
PCB 3442 Aquatic Ecology 3 hrs
PCB 4302C Physiochemical Limnology 4 hrs
PCB 4683 Evolutionary Biology 4 hrs
PCB 4723 Animal Physiology 4 hrs
PCB 5045 Conservation Biology 4 hrs
PCB 5326C Ecosystems of Florida 5 hrs
PCB 3314 Marine Bio Biodiversity 3 hrs
PCB 4303C Biological Limnology 4 hrs

Values, Planning, & Policy Concentration

■ Note: This subject area is available only to Interdisciplinary Studies - Environmental Studies track majors.

ANT 3541 Biobehavioral Anthropology 3 hrs
BOT 3802 Ethnobotany 3 hrs
ECP 4303 Environmental and Natural Resource Economics 3 hrs
ENC 3211 Theory and Practice of Technical Writing 3 hrs
ENC 3241 Writing for the Technical Professional 3 hrs
ENC 4360 Nature Writing 3 hrs
GIS 4033C Remote Sensing of the Environment 3 hrs
INR 4351 International Environmental Law 3 hrs

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

Program Academic Learning Compacts

■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oes.ucf.edu/atlc/academic_learning_compacts.htm

Required ECO 2013 Principles of Macroeconomics 3 hrs
Required ECO 2023 Principles of Microeconomics 3 hrs

Required CHM 2045C Chemistry Fundamentals I 4 hrs
Required CHM 2045C Chemistry Fundamentals I 4 hrs

Required SYG 2000 Introduction to Sociology 3 hrs
Required SYG 2000 Introduction to Sociology 3 hrs

UCF Degree Programs
Interdisciplinary Studies - Women's Studies Track
(B.A.)

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom 1, Room: 302
Program in Women's Studies, Colburn Hall, Room: 411
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
E-mail: womensst@mail.ucf.edu
Interdisciplinary Studies Advising Team, 407-823-0144
Dr. M.C. Santana, 407-823-2260

Interdisciplinary Studies - Women’s Studies track is a broadly based interdisciplinary curriculum which leads to the Bachelor of Arts degree in Interdisciplinary Studies. The program is administered through the Office of Interdisciplinary Studies and the Women's Studies Program in the College of Arts and Humanities.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must have declared an Interdisciplinary Studies major - Women’s Studies track at least one semester before graduation.
- Independent study forms must be approved by the director prior to taking an independent study or internship for use in the Interdisciplinary Studies areas. Non-approved independent studies will not be counted towards the major.
- Co op credit cannot be used in this track.
- Students must earn at least a “C” (2.0) in each restricted elective course.
- Students must consult with an Interdisciplinary Studies adviser when entering the degree program and regularly thereafter.
- Courses designated in 1. (General Education Program) and 2. (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students wishing to earn an Interdisciplinary Studies degree as a double degree, double major, or second degree, must complete all fifty-four credits exclusive of credits done for the other degree(s) and/or major(s), including any minors associated with that degree.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   D: Social Foundations (6 hrs)
   E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (6 hrs)
- None

3. Core Requirements: Basic Level (None)

4. Core Requirements: Advanced Level (None)

5. Restricted Electives (36 hrs)
   - Students must complete either the Womanist/Women of Color subject area or the Women's Studies Cognate subject area to satisfy the First Study Area.
   - Students must complete one subject area from those specified in the Second Study Area below.
   - Students must take a minimum of 18 hours of approved courses in each selected subject area (excluding GEP courses).
   - Students are required to take a minimum of 18 UCF hours, as well as 18 upper division hours, in the two areas combined

First Study Area - Womanist/Women of Color Area (18 hrs)
- Take 18 hours from either the Womanist/Women of Color Area or from the Women’s Studies Cognate Area

WST 3460 - Women, Race and Struggle (3 hrs)

Select 5:
- AML 3614 - Topics in African-American Literature (3 hrs)
- ANT 4308 - Gender Issues in Latin America (3 hrs)
- ASH 4304 - Women in China (3 hrs)

University of Central Florida
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
- None

Interdisciplinary Studies
- None

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/alc/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
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/initial degree policy in Political Science programs and minors:
- Students who double major/degree in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, with the exception of:
  - POS 2041 American National Government 3 hrs
  - 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
UCF Degree Programs

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

A: Communication Foundations (9 hrs)
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or 3 hrs
- May substitute a higher level math with appropriate scores on the Math Placement Exam.

Math: 3 hrs
- Prefer MGF 1106 Finite Mathematics or 3 hrs
- Prefer MGF 1107 Explorations in Mathematics or 3 hrs
- May substitute a higher level math with appropriate scores.

B: Cultural & Historical Foundations (9 hrs)
- Prefer WOH 2022 World Civilization II 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer STA 2014C Principles of Statistics or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- May substitute a more advanced STA course.

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government or 3 hrs

E: Science Foundations (6 hrs)
- Required One course from GEP D.2 list or 3 hrs

F: International and Global Studies (18 hrs)
- Select from the following listing:
  - Asia (6 hrs)
  - Europe (6 hrs)
  - Latin America (6 hrs)
  - Middle East (6 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.

Statistics: 3 hrs
- Prefer STA 2014C Principles of Statistics or 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel or 3 hrs
- May substitute a more advanced STA course.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

F: International and Global Studies (18 hrs)
- Select from the following listing:
  - Asia (6 hrs)
  - Europe (6 hrs)
  - Latin America (6 hrs)
  - Middle East (6 hrs)

1. A maximum of 3 hours of Internship can be used.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives

- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- Internship Program: Political Science: For students who excel, a limited number of internship may be available each semester for three to six hours of credit. Under the Internship Director, the student is typically placed in an office of local, state, or national government, a law office, or campaign headquarters.

9. Additional Requirements
- None

10. Required Minors

- Select from the following minors (18 hours min)
- No more than one course may be used to fulfill both this track and the minor; students may not utilize the International and Global Studies minor to complete the degree requirements for the BA in International and Global Studies. The language and area studies minor requirement will be waived for students who double major in French, Spanish, or Modern Language Combination.

- Asian Studies
- French
- German
- International Business
- Italian
- European Studies
- Latin American Area Studies
- Middle Eastern Studies
- Spanish

11. Departmental Exit Requirements

- Maintain a minimum GPA of 2.0 in the major.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- Interested students who meet the requirements are encouraged to participative in the HIM program. Contact the department for information about the program and the HIM coordinator.
Senior Year - Spring 12 hrs
Senior Year - Fall 14 hrs
Junior Year - Spring 15 hrs
Junior Year - Fall 15 hrs
Sophomore Year - Spring 16 hrs
Sophomore Year - Fall 16 hrs
Freshman Year - Spring 16 hrs
Freshman Year - Fall 16 hrs

Plan of Study (120 hrs)

Acceptable Substitutes for Transfer Courses

Information.

Transfer Notes

One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 16 hrs
POS 2041 American National Government 3 hrs
ENC 1101 Composition I 3 hrs
WOK 2012 World Civilization I 3 hrs
MGF 1107 Explorations in Mathematics 3 hrs
Foreign Language 4 hrs

Freshman Year - Spring 16 hrs
ENC 1102 Composition II 3 hrs
STA 2014C Principles of Statistics 3 hrs
Foreign Language 4 hrs
WOK 2022 World Civilization II 3 hrs
INR 2002 International Relations-Theor and Practice 3 hrs

Sophomore Year - Fall 16 hrs
ECO 2013 Principles of Macroeconomics 3 hrs
Foreign Language 4 hrs
GEO 3471 World Political Geography 3 hrs
POS 3703 Scope and Methods of Political Science 3 hrs
GEP 3 hrs

Sophomore Year - Spring 16 hrs
Foreign Language 4 hrs
IDS 4315 Global Perspectives 3 hrs
CPO 3103 Comparative Politics 3 hrs
INR 4603 International Relations Theory 3 hrs
GEP 3 hrs

Junior Year - Fall 15 hrs
Restricted Elective 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs

Junior Year - Spring 15 hrs
Restricted Elective 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Free Elective 3 hrs

Senior Year - Fall 14 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Free Elective 2 hrs

Senior Year - Spring 12 hrs
Restricted Elective 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Free Elective 3 hrs

Program Academic Learning Compacts

Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/aic/academic_learning_compacts.htm

Interpersonal/Organizational Communication (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: communication@mail.ucf.edu

Admission Requirements

None

Degree Requirements

Students who change degree programs (other than from I/O Pending) and select this major must adopt the most current catalog.

Co-op or internship credit may be used in this major with prior advisor approval.

Students cannot exceed a total of six credits of internship, co-op, and independent study credits combined.

Students must consult with a school advisor

School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the Nicholson School of Communication.

Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)
Required ENC 1101 Composition I 3 hrs
Required ENC 1102 Composition II 3 hrs
Required SPC 1068 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)

C: Mathematical Foundations (6 hrs)
Statistics: 3 hrs
Required STA 1060C Basic Statistics Using Microsoft Excel or
Mandatory Principles of Statistics 3 hrs

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

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

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

Students are expected to select these courses outside their major, and outside the GEP. The courses may be interspersed throughout their 4 year program.

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

3. Core Requirements: Basic Level (3 hrs)
SPC 1068 Fundamentals of Oral Communication GEP

Statistics: 3 hrs
Required STA 1060C Basic Statistics Using Microsoft Excel or
Mandatory Principles of Statistics GEP

Computer Science: 3 hrs
Required CGS 2100C Computer Fundamentals for Business or
Optional CGS 2585C Desktop/Internet Publishing or
CGS 3175 Internet Applications 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

Take all of the following: 12 hrs
Required COM 3011 Communication and Human Relations and
2100 3 hrs
Required COM 3120 Organizational Communication and
3311 Communication Research Methods and
3301 Interpersonal Communication 3 hrs
## UCF Degree Programs

### 5. Restricted Electives (27 hrs)

**Internal Restricted Electives:** 21 hrs

- Select from the following list:
  - COM 3013 Communication and the Family 3 hrs
  - COM 3022 Health Communication 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - COM 3332 Communication, Technology, and Change 3 hrs
  - COM 3406 Role of Motivation in Communication 3 hrs
  - COM 4014 Gender Issues in Communication 3 hrs
  - COM 4416 Terrorism and Communication 3 hrs
  - COM 4461 Intercultural Communication 3 hrs
  - COM 4462 Conflict Management 3 hrs
  - SPC 3445 Leadership Through Oral Communication 3 hrs
  - SPC 3513C Argumentation and Debate 3 hrs
  - SPC 4331 Nonverbal Communication 3 hrs
  - SPC 4426 Group Dynamics 3 hrs
  - SPC 4540 Attitudes and Communication 3 hrs

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

- COM 4941 Internship or 3 hrs
- SPC X949 Coop or 3 hrs
- COM X949 Coop

A maximum of 6 credits of any combination of the following can be used as an Internal Restricted Elective:

- ENC 3250 Professional Writing or 3 hrs
- ENC 3311 Advanced Expository Writing or 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- Other upper division COM or SPC courses with prior approval of department advisor.

**External Restricted Electives 6 hrs**

- A minimum of six upper division credit hours selected from courses in Nicholson School of Communication outside of the interpersonal - Organizational area (i.e. Advertising - Public Relations, Journalism, or Radio - Television).

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

**Admissions**

- Met by graduation requirement.

**Graduation**

- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog. Consult with the NSC advising staff to understand how choosing ASL might impact hours needed to graduate.

### 8. Electives

- Select primarily from upper level courses. May be taken outside of the Nicholson School of Communication.

### 9. Additional Requirements

- None

### 10. Required Minors

- None

### 11. Departmental Exit Requirements

- Achieve a “C” (2.0) or better average GPA in Nicholson School of Communication courses.

- To avoid graduation delays, meet with your advisor to review graduation requirements before registering for your last term.

- Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required** 120

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**Honors In Major**

- None

**Related Programs**

- None

**Certificates**

- None

**Related Minors**

- Interpersonal/Organizational Communication
- Mass Communication

**Advising Notes**

- None

**Transfer Notes**

- Lower division courses taken at community colleges do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

**Acceptable Substitutes for Transfer Courses**

- None

**Plan of Study**

- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

**Freshman Year - Fall** 13 hrs

- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP 3 hrs

**Freshman Year - Spring** 16 hrs

- ENC 1101 Composition I 3 hrs
- ENC 1102 Composition II 3 hrs
- STA 2014C Principles of Statistics 3 hrs
- GEP 3 hrs

**Sophomore Year - Fall** 16 hrs

- GEP 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

**Sophomore Year - Spring** 15 hrs

- GEP 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs

**Junior Year - Fall** 15 hrs

- COM 3013 Communication and Human Relations 3 hrs
- COM 3311 Communication Research Methods 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs

**Junior Year - Spring** 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

**Senior Year - Fall** 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

**Senior Year - Spring** 15 hrs

- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

**Program Academic Learning Compacts**

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeeas.ucf.edu/alc/academic_learning_compacts.htm)
Journalism (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
E-mail: journalism@mail.ucf.edu
Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
407-823-2681

Admission Requirements
- Students should apply to become Journalism majors only after completing all requirements for admission.
- Admission is based on multiple factors, not strictly GPA.
- 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 recommend that majors work for a student newspaper.
- Journalism majors may obtain an off-campus internship with a commercial newspaper, a magazine, or website.
- To receive credit for an internship, students must have a 2.5 GPA in their required major courses. Students with less than a 2.5 GPA will not be given academic internship credit.
- Students can enroll in a maximum of six hours of internship credit. However, the internships must be with different employers. Each internship must be approved by and supervised by a Journalism faculty advisor.
- A portfolio of representative work must be submitted to, and approved by, a faculty committee at least one semester before graduation. At least 75% of the work must be produced while at UCF.
- Co-op or internship credit cannot be used in this major without prior approval.
- Students should consult with a school advisor.
- All students are required to pay a fee for equipment insurance.
- Of the 120 hours required for graduation, 80 hours must be taken outside of the Nicholson School of Communication.
- Of these 80 hours, 65 must be taken in the liberal arts (i.e. within the College of Arts & Humanities or the College of Sciences).
- To ensure completion within 120 hours and to comply with the 80 hour rule, no more than 40 (or 43 if a GEP speech class was taken at UCF) of the 120 hours may be taken within the Nicholson School of Communication.
- Journalism majors must select their required minor from outside the Nicholson School of Communication to remain below the 40 credit hour school maximum.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- School residency requirement consists of at least 24 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Nicholson School of Communication.
- The Journalism program follows the Society of Professional Journalists Code of Ethics. Students who violate the code (plagiarizing, cheating or fabricating, for example) may be removed from the program.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   - Composition: Complete both courses.
     Required ENC 1101 Composition I and ENC 1102 Composition II 6 hrs
   - Speech:
     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 AMH 2020 U.S. History: 1877-Present 3 hrs
   - Group 2: Select a course from group 2.
     Prefer MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
   C: Mathematical Foundations (6 hrs)
   - Statistics-Computers:
     Suggested GGS 1080C Introduction to Computer Science or STA 2113C Principles of Statistics 3 hrs
   - Math:
     Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics 3 hrs
   - You may substitute a higher level math with appropriate scores on the Math Placement Exam.

D: Social Foundations (6 hrs)
   - Group 1:
     Prefer POS 2041 American National Government 3 hrs
   - Group 2: Select a listed course
     Prefer STA 2113C Principles of Statistics 3 hrs

E: Science Foundations (6 hrs)
   See "Common Program Prerequisites" in the Transfer and Transitions Services section for more information.
   Complete the following:
   - SPC 1608 Fundamentals of Oral Communication
   GEP

3. Core Requirements: Basic Level (12 hrs)
   - Must earn at least a “C” (2.0) in these courses in order to enroll in subsequent courses
   - Grammar Proficiency must be satisfied before enrolling in JOU 2100C.
   - These courses may be completed before acceptance into the program.
     JOU 2100C News Reporting 3 hrs
     JOU 3003 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:
     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 432C Converged Journalism 3 hrs
     JOU 4941 Internship 3 hrs
     PGY 3610C Photojournalism I 3 hrs
     Any JOU or PGY prefix writing, photojournalism, or editing course 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement
UCF Degree Programs

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

8. Electives
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

9. Additional Requirements
- None

10. Required Minors
- Journalism majors must complete an 18 hour minor in an academic area outside of the Nicholson School of Communication. When no official minor is offered, students may complete an 18-credit-hour area of concentration approved by the faculty.
- The minor must be from outside of the Nicholson School of Communication in order to not exceed the 40 credit hour cap.

11. 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.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- English - Creative Writing
- English - Technical Communication

Certificates
- None

Related Minors
- NOTE: Minors taught within the Nicholson School of Communication are not open to Journalism majors.
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- Writing and Rhetoric
- History
- Magazine Journalism
- Political Science
- Sociology

Advising Notes
- It is the student’s responsibility to ensure that course prerequisites have been satisfied before registering for a class.
- Students are urged to contact their school advisor before registering for courses.

Transfer Notes
- Lower division courses taken at community colleges do not substitute for upper division courses.

- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a school advisor for alternate, new or more appropriate selections.

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MGF 1107 Explorations in Mathematics 3 hrs
- GEP 3 hrs
- Foreign Language 4 hrs

Sophomore Year - Fall
- JOU 2100C News Reporting 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Junior Year - Fall
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- MMC 2004 Mass Media 3 hrs

Senior Year - Fall
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- JOU 4700 Journalism Ethics 3 hrs

Junior Year - Spring
- Elective / Minor 3 hrs
- Restricted Elective 3 hrs
- Free Elective 3 hrs
- VIC 3001 Visual Communication 3 hrs
- MMC 3200 Mass Communication Law 3 hrs

Senior Year - Spring
- Restricted Elective 3 hrs
- Free Elective 4 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeras.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $22 per term
- Full-Time Student: $44 per term
Latin American Studies (B.A.)

College of Arts and Humanities

Colburn Hall, Room: 406E and F

http://las.cah.ucf.edu/

E-mail: latinamerica@mail.ucf.edu

Dr. Jose M. Maunez-Cuadra, jmaunez@mail.ucf.edu, 407-823-1173

407-823-1174

Admission Requirements

None

Major Requirements 15 hrs

ANT 4332 People and Cultures of Latin America 3 hrs

GEA 4405 Geography of Latin America 3 hrs

LAH 3200 Modern Latin America 3 hrs

LAS 2001 Topics in Latin American Studies 3 hrs

LAS 3101 Latin American Popular Culture 3 hrs

In addition, students are required to take 21 hours of restricted electives, 12 hours from the first area and 9 hours from the second area of emphasis.

Degree Requirements

Students who choose degree programs and select this major must adopt the most current catalog.

Co-op or internship credit cannot be used in this major without previous approval by the program director.

Students must earn at least a "C"(2.0) in each required course.

Students should consult with the program director.

Program Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken at UCF.

Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

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

A: Communication Foundations (9 hrs)

Select 1:

Suggested MGF 1106 Finite Mathematics or 3 hrs

Suggested MGF 1107 Explorations in Mathematics 3 hrs

B: Cultural & Historical Foundations (9 hrs)

Required ARH 2050 History of Western Art I 3 hrs

Select 2 Courses From B.1 Based On Area Selections 6 hrs

C: Mathematical Foundations (6 hrs)

Suggested STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

D: Social Foundations (6 hrs)

Prefer ANT 2000 General Anthropology 3 hrs

Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

None

3. Core Requirements: Basic Level (3 hrs)

LAS 2001 Topics in Latin American Studies 3 hrs

4. Core Requirements: Advanced Level (12 hrs)

ANT 4332 People and Cultures of Latin America 3 hrs

GEA 4405 Geography of Latin America 3 hrs

LAH 3200 Modern Latin America 3 hrs

LAS 3101 Latin American Popular Culture 3 hrs

5. Restricted Electives (21 hrs)

Restricted electives are divided into two areas of emphasis. Students must take a minimum of 12 credit hours in the first area of emphasis and 9 additional credit hours in the second area of emphasis as detailed below.

Students may not use more than 9 credit hours of courses with the same prefix within the first area of emphasis or more than 6 credit hours of courses with the same prefix within the second area of emphasis.

Note that this is not an exhaustive list of course options. Other courses with a focus on either Latin America or the Caribbean can be accepted with prior written authorization from the program director.

AREA ONE:

ANTHROPOLOGY

ANT 3160 Americas Before Columbus 3 hrs

ANT 3161 Archaeology of Mexico 3 hrs

HISTORY

LAH 3130 Latin American History I 3 hrs

LAH 3400 History of Mexico and Central America 3 hrs

LAH 3470 History of the Caribbean 3 hrs

LAH 4136 Colonial Florida 3 hrs

LAH 4512 Modern Argentina 3 hrs

LAH 4461 History of Puerto Rico 3 hrs

LAH 4480 History of Cuba 3 hrs

LAH 4742 The Mexican Revolution 3 hrs

LAH 4768 Poverty and Development in Latin America 3 hrs

Spanish and Spanish Literature

Students may choose from the extensive listing of upper level SPN and SPW courses. No more than six (6) hours can overlap between the major and the minor.

AREA TWO: 9 hrs

(Select no more than 6 credit hours of courses with the same prefix)

ART HISTORY

ARH 2051 History of Western Art II 3 hrs

ARH 3670 20th Century Latin American Art 3 hrs

ARH 3673 Modern Art of Mexico 3 hrs

ARH 3674 Latin American Popular Visual Culture 3 hrs

ARH 4653 Meso American Art 3 hrs

ENGLISH

AML 3615 Harlem, Haiti, and Havana 3 hrs

AML 3882 Ethnic Literature in America 3 hrs

AML 4630 Latino/Latina Literature 3 hrs

LIT 3192 Caribbean Literature 3 hrs

LIT 3381 Women Writers of Color 3 hrs

LIT 3823 Hispanic Women Writers 3 hrs

HUMANITIES

HUM 3460 Latin American Humanities 3 hrs

INTERNATIONAL RELATIONS

INR 4243 International Politics of Latin America 3 hrs

LATIN AMERICAN STUDIES

LAS 4023 African Caribbean Experience 3 hrs

POLITICS

CPO 3034 Politics of Developing Areas 3 hrs

CPO 3103 Comparative Politics 3 hrs

CPO 4047 Politics of the NAFTA Region 3 hrs

CPO 4074 Political Economy 3 hrs

CPO 4794 Indigenous Politics and the Environment 3 hrs

CPO 4803 Comparative Latin American Politics 3 hrs

PUBLIC POLICY

PUP 3314 Minorities in American Politics 3 hrs

6. Capstone Requirements

Required Experiential Learning (capstone experience, 0 - 3 hrs):

Students are required to complete a study or work experience in Latin American Studies. This may be fulfilled through participation in any one of the following:

- A formal study-abroad program on Latin America of at least 45 contact hours equaling three hours of academic credit or a Program Director approved program in the United States or its territories with Hispanic populations. Up to three hours of academic internship credit for this option may be available if authorized by the Program Director Internship on Latin American Studies.

- Students may also elect to complete three hours of upper division credit in an indigenous language such as Yucatec Maya, Nahuatl, or Quechua. As the latter languages are currently not taught at UCF, interested students would need to enroll in an off-campus program.

- At the discretion of the Program Director, prior life, study, or work experience may be considered as satisfying this experiential learning requirement.
7. Foreign Language Requirements

Admissions
- Foreign Language Requirement: (0 - 14 hrs)
- LAS majors will have a proficiency equivalent to four semesters of college instruction in a single foreign language taught by the Department of Modern Languages and Literatures. Spanish or Portuguese preferred, although other Latin American languages may be acceptable with prior written consent of the LAS program director. Standardized examinations for foreign languages may be used to meet the requirement.

Graduation
- None

8. Electives
- Variable
- Select primarily from upper level courses after meeting with an advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Required Minor: 18 hrs (minimum)
- LAS majors cannot minor in Anthropology, Art History, English, History, Humanities, Latin American Studies or Political Science. A second major in any of the disciplines listed below will satisfy the minor requirement. The LAS minor will continue to be available to non-LAS majors.
- Students will select a minor in consultation with the LAS Program Director. No more than six (6) hours can overlap between the major and the minor. The following are among the options to be considered:
  - Accounting
  - Digital Media
  - Economics
  - Emergency Management and Homeland Security
  - Energy and Sustainability
  - Entrepreneurship: For Non-Business Majors
  - Environmental Studies
  - Finance
  - Health Informatics and Information Management
  - International Business
  - Leadership Studies
  - Marketing
  - Public Administration
  - Spanish
  - Technological Entrepreneurship
  - Urban and Regional Planning
  - Women’s Studies

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 residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the 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
- History
- Political Science
- Modern Language Combination

Art - History Track
- Interdisciplinary Studies

Certificates
- None

Related Minors
- No more than six (6) hours can overlap between the major and the minor
- Accounting
- Digital Media
- Economics
- Emergency Management and Homeland Security
- Energy and Sustainability
- Entrepreneurship: For Non-Business Majors
- Environmental Studies
- Finance
- Health Informatics and Information Management
- International Business
- Leadership Studies
- Marketing
- Music
- Public Administration
- Spanish
- Technological Entrepreneurship
- Urban and Regional Planning
- Women’s Studies

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.eas.ucf.edu/alc/academic_learning_compacts.htm

Legal Studies (B.A. / B.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 343
http://www.cohpa.ucf.edu/legalstudies/index.shtml
E-mail: legalstudies@ucf.edu
Dr. David Slaughter
407-823-1670

The Legal Studies Program provides students with a broad understanding of basic principles of law and the role and function of the legal system. While no specific major is prescribed for admission to law school, many pre-law students elect to major in legal studies. The legal studies program, in addition to preparing students for law-related careers, provides a foundation for law school or other graduate study. 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) None

3. Core Requirements: Basic Level None

4. Core Requirements: Advanced Level (18 hrs)

- All core requirements must be completed with a minimum grade of "C" (2.0) to satisfy the major.
- 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

Upper Division Restricted Electives 21 hrs

- 21 additional hours of Legal Studies coursework selected in consultation with an advisor.

Supporting Courses 9 hrs

- Students pursuing the B.A. degree must complete nine semester hours of supporting courses chosen with the approval of the student's advisor. Students pursuing the B.S. degree must complete 15 hours of supporting courses chosen with the approval of the student's advisor.

Specializations

- Students may earn a specialization within the general program of study. The specializations do not substitute for the general legal studies degree requirements; they are earned within the general program by selecting particular courses to satisfy the legal studies restricted electives and supporting courses requirements. Students are not required to declare a specialization. The following specializations are offered:
  - Law and Society, Litigation and Advocacy, Public Law, Sports and Entertainment Law, Criminal Law and Individual Liberties, Estates and Property Law, Comparative and International Law, Commercial and Transcational Law.
  - A student may earn a maximum of two specializations. Specific course requirements are available at the department office or from the student's advisor.

6. Capstone Requirements (3 hrs)

- Capstone must be completed with a minimum grade of "C" (2.0) to satisfy the major.
- PLA 4935 Capstone: Legal Issues 3 hrs

7. Foreign Language Requirements

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

- If students chose the following electives, they must complete them with a minimum grade of a "C" (2.0): PLA 4020, PLA 4240, PLA 4910.

9. Additional Requirements None

10. Required Minors None

11. Departmental Exit Requirements

- Students must take a minimum of 33 hours of PLA courses at UCF. The total semester hours required is 120.

- Second Bachelor's degree students must complete a minimum of 30 credit hours of Legal Studies (PLA) coursework after being admitted as a second degree seeking student.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors in Major

- Interested students should consult with their faculty advisor.

Related Programs

- Criminal Justice
- History
- Political Science
- Public Administration
- Sociology
- Business Administration

Certificates

- Undergraduate Certificate in Public and Professional Writing

Related Minors

- Business
- Criminal Justice
- Political Science
- Public Administration
- Sociology
- Writing and Rhetoric

Advising Notes

- None

Transfer Notes

- Courses taken at community colleges do not substitute for Upper Division courses.

Acceptable Substitutes for Transfer Courses

- None

Plan of Study

Freshman Year - Fall

- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PAF 2102 Public Affairs Careers 2 hrs
- Select 1: 3 hrs
- Select 2: 3 hrs
- Select 3: 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- CJS 1000 Introduction to Criminal Justice 3 hrs
- CP 1001 Introduction to Criminal Justice 3 hrs
- Select 1: 3 hrs
- Select 2: 3 hrs
- Select 3: 3 hrs

Undergraduate Certificate in Public and Professional Writing

- UCF Degree Programs

- Undergraduate Catalog 2011-2012

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## UCF Degree Programs

### Sophomore Year - Fall
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Free Elective 3 hrs
- Select 1:
  - PSC 1121 Physical Science or 3 hrs
  - CHM 1020 Concepts in Chemistry 3 hrs
- Select 1:
  - EUH 2000 Western Civilization I or 3 hrs
  - HUM 2210 Humanistic Tradition I or 3 hrs
  - AMH 2010 U.S. History: 1492-1877 3 hrs
- Foreign Language I or BS option 4 hrs

### Senior Year - Spring
- PLA 3615 Property and Real Estate Law 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

### Junior Year - Fall
- PLA 3108 Legal Research 3 hrs
- PLA 3205 Civil Practice and Procedure 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

### Junior Year - Spring
- PLA 3155 Legal Writing 3 hrs
- PLA 3615 Property and Real Estate Law 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Supporting Elective 3 hrs

### Senior Year - Fall
- PLA 4703 Professional Ethics and Liability 3 hrs
- Supporting Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

### Senior Year - Spring
- PLA 4935 Capstone: Legal Issues 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Internship or Restricted Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

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### Management (B.S.B.A.)

**College of Business Administration**

**Department of Management, Business Administration**

**II, Room: 101**


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)

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>B: Cultural &amp; Historical Foundations</th>
<th>(9 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>C: Mathematical Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>D: Social Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
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</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Required</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>E: Science Foundations</th>
<th>(6 hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Common Program Prerequisites (CPP)</td>
<td>(18 hrs)</td>
</tr>
<tr>
<td>Required</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Select one of the following courses:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Students who have not completed both MAC 2233 and STA 2023 with a “C” (2.0) or better must take ECO 3401.</td>
<td></td>
</tr>
</tbody>
</table>

| ECO 3401 | Quantitative Business Tools I | 3 hrs |
| MAC 2233 | Concepts of Calculus and | 3 hrs |
| STA 2023 | Statistical Methods I | 3 hrs |

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level (32 hrs)
- First or subsequent semester in the College of Business Administration:
  - BUL 3310 Legal and Ethical Environment of Business | 4 hrs |
  - ECO 3411 Quantitative Business Tools II | 4 hrs |
  - FIN 3403C Business Finance | 4 hrs |
  - GEB 3031 Cornerstone: Professional Skills for Business | 3 hrs |
  - GEB 3031L Cornerstone Lab: Professional Skills for Business | 1 hr |
  - GEB 3375 Introduction to International Business | 4 hrs |
  - MAN 3025 Management of Organizations | 4 hrs |
  - MAR 3023 Marketing | 4 hrs |
  - MAR 3203 Supply Chain Management | 4 hrs |

1. Required in 1st or 2nd semester
2. Must be taken with GEB 3031

#### 5. Restricted Electives (24 hrs)
- Within the Management major, students can concentrate in 3 areas of study. Courses for each are outlined below:
Human Resource Management Track 24 hrs

Required Courses 15 hrs
MAN 3301 Management of Human Resources and 3 hrs
MAN 4240 Organizations: Theory and Behavior and 3 hrs
MAN 4250 Human Resources Recruitment and Selection and 3 hrs
MAN 4330 Compensation Administration and 3 hrs
MAN 4350 Training and Development 3 hrs

Restricted Elective Courses 9 hrs
BUL 4540 Employment Law or 3 hrs
GEF 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 Course 3 hrs

Entrepreneurship Track 24 hrs

Required Courses 12 hrs
GEB 4110 Business Plan Preparation and 3 hrs
GEB 4111 New Venture Finance and 3 hrs
MAN 3301 Management of Human Resources and 3 hrs
MAN 4802 Entrepreneurship 3 hrs
Select 1:
MAR 3391 Professional Selling or 3 hrs
MAR 3641 Marketing Intelligence 3 hrs

Restricted Elective Courses 9 hrs
BUL 4540 Employment Law or 3 hrs
GEF 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 Course 3 hrs

6. Capstone Requirements (4 hrs)
MAN 4720 Strategic Management 4 hrs
This course is taken in the graduating term and requires the following prerequisites:
FIN 3403C Business Finance 4 hrs
1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
2 GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
MAN 3025 Management of Organizations 4 hrs
MAR 3023 Marketing 4 hrs

1 Required in 1st or 2nd semester
2 Must be taken with GEB 3031

7. Foreign Language Requirements
Admissions
Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
Graduation
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

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
Courses taken at community colleges do not substitute for upper division courses
Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Microeconomics, Macroeconomics, 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
AG 2021 Principles of Financial Accounting 3 hrs
AG 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 1608 Fundamentals of Oral Communication 3 hrs
Cult-Hist I 3 hrs
Elective 3 hrs
Elective 3 hrs

Freshman Year - Spring
CGS 2100C Computer Fundamentals for Business 3 hrs
ENC 1102 Composition II 3 hrs
MAC 1105C College Algebra 3 hrs
Cult-Hist II 3 hrs
Art/Music/Lit 3 hrs

Sophomore Year - Fall
1 ACG 2021 Principles of Financial Accounting 3 hrs
1 ECO 2023 Principles of Microeconomics 3 hrs
Science 3 hrs
## UCF Degree Programs

### General Management Track

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>15 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUL 3130</td>
<td>Legal and Ethical Environment of Business</td>
</tr>
<tr>
<td>1 GE 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>2 GE 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
</tr>
<tr>
<td>MAN 3520</td>
<td>Quality &amp; Productivity Management</td>
</tr>
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</table>

### Junior Year - Spring

<table>
<thead>
<tr>
<th>Junior Year - Spring</th>
<th>16 hrs</th>
</tr>
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<tbody>
<tr>
<td>ECO 3411</td>
<td>Quantitative Business Tools II</td>
</tr>
<tr>
<td>FIN 3403C</td>
<td>Business Finance</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Marketing</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain Management</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
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<tbody>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources</td>
</tr>
<tr>
<td>MAN 4240</td>
<td>Organizations: Theory and Behavior</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Free Elective</td>
<td>3 hrs</td>
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</table>

### Entrepreneurship Track

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GE 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3375</td>
<td>Introduction to International Business</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Marketing</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 4111</td>
<td>New Venture Finance</td>
</tr>
<tr>
<td>MAN 3301</td>
<td>Management of Human Resources</td>
</tr>
<tr>
<td>MAR 3203</td>
<td>Supply Chain Management</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Select 1:

<table>
<thead>
<tr>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3391</td>
</tr>
<tr>
<td>MAR 3641</td>
</tr>
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### Senior Year - Spring

<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>16 hrs</th>
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</thead>
<tbody>
<tr>
<td>GEB 4110</td>
<td>Business Plan Preparation</td>
</tr>
<tr>
<td>MAN 4720</td>
<td>Strategic Management</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Human Resource Management Track

<table>
<thead>
<tr>
<th>Junior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3031</td>
<td>Cornerstone: Professional Skills for Business</td>
</tr>
<tr>
<td>GEB 3031L</td>
<td>Cornerstone Lab: Professional Skills for Business</td>
</tr>
<tr>
<td>MAN 3025</td>
<td>Management of Organizations</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing</td>
</tr>
</tbody>
</table>

### Senior Year - Fall

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>16 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEB 3375</td>
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<tr>
<td>Free Elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Equipment Fees

- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

### Marketing (B.S.B.A.)

#### College of Business Administration

**Department of Marketing, Business Administration II, Room: 101**

[http://www.bus.ucf.edu](http://www.bus.ucf.edu)

407-823-2184

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 pre-requisites class.
- Students wanting to major in Marketing must apply for admission to the major.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department of school in which the student majors.
- Students must earn at least a 2.0 GPA in the major and COB
- Must complete all Gordon Rule requirements, prior to admission to this degree.
- Final exams will be given during Exam Week
- Students majoring in Marketing must earn a grade of “C” (2.0) or better in each course applied toward the major, and a 2.0 overall average in the major. The following is included in this requirement:
  - MAR 3023  Marketing  4 hrs
1. **UCF General Education Program (GEP)** (36 hrs)
   - A: Communication Foundations (9 hrs)
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (6 hrs)
     - Required MAC 1140 Pre-Calculus Algebra 3 hrs
     - Required CGS 2100C Computer Fundamentals for Business 3 hrs
   - D: Social Foundations (6 hrs)
     - Select 1: 3 hrs
       - Suggested ECO 2013 Principles of Macroeconomics 3 hrs
       - Suggested ECO 2023 Principles of Microeconomics 3 hrs
     - Select 1: 3 hrs
       - Suggested PSY 2012 General Psychology 3 hrs
       - Suggested ANT 2000 General Anthropology 3 hrs
       - Suggested SYG 2000 Introduction to Sociology 3 hrs
   - E: Science Foundations (6 hrs)
     - Must be completed with a "C" (2.0) or better
     - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
     - ACG 2071 Principles of Managerial Accounting 3 hrs
     - ECO 2013 Principles of Macroeconomics 3 hrs
     - ECO 2023 Principles of Microeconomics 3 hrs
     - CGS 2100C Computer Fundamentals for Business 3 hrs
     - ACG 2021 Principles of Financial Accounting 3 hrs
   - Select one of the following sequences of courses:
     - Students who have not completed both MAC 2233 and STA 2203 with a "C" (2.0) or better must take ECO 3401
       - ECO 3401 Quantitative Business Tools I 3 hrs
       - MAC 2233 Concepts of Calculus and STA 2203 Statistical Methods I 3 hrs

2. **Common Program Prerequisites (CPP)** (18 hrs)
   - (Variable)
   - Related Minors
     - None
   - Certificates
     - None

3. **Core Requirements: Basic Level**
   - None

4. **Core Requirements: Advanced Level** (50 hrs)
   - First or subsequent semester in the College of Business 32 hrs
     - Administration:
       - 1 GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
       - GEB 3375 Introduction to International Business 3 hrs
       - BUL 3130 Legal and Ethical Environment of Business 3 hrs
       - ECO 3411 Quantitative Business Tools II 3 hrs
       - FIN 3403C Business Finance 3 hrs
       - MAN 3025 Management of Organizations 3 hrs
       - MAR 3023 Marketing 3 hrs
       - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
       - MAR 3203 Supply Chain Management 4 hrs
     - 2 Required in 1st or 2nd semester
     - Required Courses 18 hrs
       - MAR 3391 Professional Selling 3 hrs
       - MAR 3503 Consumer Behavior 3 hrs
       - MAR 3613 Marketing Analysis and Research 3 hrs
       - MAR 3641 Marketing Intelligence 3 hrs
       - MAR 4803 Marketing Management 3 hrs
       - MAR 4804 Marketing Strategy 3 hrs
   - 5. **Restricted Electives** (6 hrs)
     - General Marketing
       - Select a minimum of 2 courses from the following list of courses:
         - MAR 3323 Integrated Marketing Communication 3 hrs
         - MAR 3403 Sales Force Management 3 hrs
         - MAR 3721 Technology Applications in Marketing 3 hrs
         - MAR 4231 Retailing Management 3 hrs
         - MAR 4711 Sport Marketing 3 hrs
         - MAR 4712 Healthcare Marketing 3 hrs
         - MAR 4715 Entertainment Marketing 3 hrs
         - MAR 4841 Services Marketing 3 hrs
         - MAR 4941 Marketing Internship 3 hrs
     - Professional Selling 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 professional selling 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
       - MAR 4415C Advanced Professional Selling and
       - MAR 4413C Strategic Issues in Sales-Lecture 3 hrs
     - 6. Capstone Requirements (4 hrs)
       - MAN 4720 Strategic Management 4 hrs
       - This course is taken in the graduating term and requires the following prerequisites:
         - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
         - MAR 3023 Marketing 3 hrs
         - MAN 3025 Management of Organizations 4 hrs
         - FIN 3403C Business Finance 4 hrs
         - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
     - 7. Foreign Language Requirements
       - Admissions
         - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
       - Graduation
         - None
     - 8. Electives
     - 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: Entertainment Marketing
       - Marketing: Healthcare Marketing
       - Marketing: Retailing Management
       - Marketing: Selling and Sales Management
       - Marketing: Services Marketing
       - Marketing: Sport Marketing Management
       - Marketing: e-Marketing
     - Related Minors
       - None
UCF Degree Programs

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take Quantitative Business Tools I.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Business program. Only grades of “C” (2.0) or higher transfer into the program and students must have a “C” (2.0) or better in each common program prerequisites class.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Must complete nine hours in a summer semester

Freshman Year - Fall
- 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
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs
- Elective 3 hrs

Sophomore Year - Spring
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Elective 3 hrs

Junior Year - Fall
- MAN 4720 Strategic Management 4 hrs
- MAR 4804 Marketing Strategy 3 hrs
- MAR Elective 3 hrs
- GE Non-Business Elective 3 hrs

Junior Year - Spring
- MAR 3203 Supply Chain Management 4 hrs
- MAR 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR Elective 3 hrs

Senior Year - Fall
- MAR 4803 Marketing Management 3 hrs
- MAR 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR Elective 3 hrs

Marketing: Professional Selling Track

Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- Restricted Elective 3 hrs
- Cult-Hist I 3 hrs

Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- MAC 1105C College Algebra 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs
- Cult-Hist II 3 hrs
- Art/Music/Lit 3 hrs

Sophomore Year - Fall
- ECO 2023 Principles of Microeconomics 3 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- Restricted Elective 3 hrs
- Science 3 hrs
- Psy/Ant/Soc 3 hrs

Sophomore Year - Spring
- ECO 2013 Principles of Macroeconomics 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 3401 Quantitative Business Tools I 3 hrs
- Restricted Elective 3 hrs
- Science 3 hrs

Junior Year - Fall
- ECO 3411 Quantitative Business Tools II 4 hrs
- GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
- GEB 3375 Introduction to International Business 4 hrs
- MAR 3023 Marketing 4 hrs

Junior Year - Spring
- MAR 3391 Professional Selling 3 hrs
- MAR 3403 Sales Force Management 3 hrs
- FIN 3403C Business Finance 4 hrs
- MAR 3503 Consumer Behavior 3 hrs
- MAR 3613 Marketing Analysis and Research 3 hrs

Senior Year - Fall
- MAR 4803 Marketing Management 3 hrs
- MAR 4415C Advanced Professional Selling 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3641 Marketing Intelligence 3 hrs
- MAR 3203 Supply Chain Management 4 hrs

Senior Year - Spring
- MAN 4720 Strategic Management 4 hrs
- MAR 4804 Marketing Strategy 3 hrs
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- MAR 4413C Strategic Issues in Sales-Lecture 3 hrs
- GE Non-Business Elective 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oes.ucf.edu/aic/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

UNIVERSITY OF CENTRAL FLORIDA
238 Undergraduate Catalog 2011-2012
Mathematics - Applied Track (B.S.)

College of Sciences
Department of Mathematics, MAP, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. J. Brennan, jgbrennan@mail.ucf.edu
407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Math Department.
- Co-op or internship credit cannot be used in this major.
- Students must earn at least a "C" (2.0) in each required course.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF.

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

- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required MAC 2312 Calculus with Analytic Geometry II 4 hrs
- Required MAC 2313 Calculus with Analytic Geometry III 4 hrs
- Required COP 3502C Computer Science I 3 hrs

D: Social Foundations

- (6 hrs)

E: Science Foundations

- Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Physical Science: Required PHY 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Science: Select one listed course.

- 3 hrs

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

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for some of the following

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

- Required STA 2023 Statistical Methods I 3 hrs
- Required MAP 2302 Differential Equations CPP
- Required PHY 2048C Physics for Engineers & Scientists I GEP/CPP
- Required PHY 2049C Physics for Engineers and Scientists II CPP
- Required COP 3502C Computer Science I GEP

4. Core Requirements: Advanced Level

- Required MTH 3302 Logic and Proof in Mathematics 3 hrs
- Required MAS 3105 Matrix and Linear Algebra 4 hrs
- Required MAS 3106 Linear Algebra 4 hrs
- Required MAA 4402 Introduction to Complex Variables 3 hrs
- Required MAP 4363 Applied Boundary Value Problems I 3 hrs
- Required MAP 4364 Applied Boundary Value Problems II 3 hrs

STA 4321 Statistical Theory I 3 hrs
STA 4322 Statistical Theory II 3 hrs
MAA 4226 Advanced Calculus I 4 hrs
COT 4500 Numerical Calculus 3 hrs
MAP 4103 Mathematical Modeling I 3 hrs

Select 1:

- ENC 3321 Writing for the Technical Professional or 3 hrs
- ENC 3310 Magazine Writing I or 3 hrs
- ENC 3311 Advanced Expository Writing 3 hrs

Select 1:

- MAD 4203 Applied Combinatorics or 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (6 hrs)

- Note: Students must satisfy course prerequisites before enrolling in these courses.

5.a. Applied Elective:

- Select 1: 3 hrs

- Select 1:

- COT 4210 Discrete Structures II or 3 hrs
- COT 4400 Tools for Algorithm Analysis or 3 hrs
- COT 5507 Computational Methods/Applications or 3 hrs
- COT 5510 Computational Methods/Linear Systems or 3 hrs
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- EGN 3321 Engineering Analysis-Dynamics or 3 hrs
- EGN 3343 Thermodynamics or 3 hrs
- EGN 3373 Principles of Electrical Engineering or 3 hrs
- STA 4102 Computer Processing of Statistical Data or 3 hrs
- STA 5103 Advanced Computer Processing of Statistical Data or 3 hrs
- STA 4641 Risk Theory and Decision 3 hrs

5.b. Biological or physical sciences Elective:

- Select 1: 3 hrs

- Select 1:

- 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
- CHM 3410 Physical Chemistry I or 4 hrs
- CHM 2210 Organic Chemistry I or 3 hrs
- EGN 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.

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.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF.
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
University of Central Florida

Degree Requirements

Admission Requirements

Transfer Notes

Acceptable Substitutes for Transfer Courses

Advising Notes

Undergraduate Catalog 2011-2012

Program Academic Learning Compacts

Mathematics - Computational Track (B.S.)

Department of Mathematics, Math and Physics, Room: 207

http://math.ucf.edu

E-mail: math@mail.ucf.edu

Dr. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

Admission Requirements

None

Degree Requirements

Students who change degree programs and select this major must adopt the most current catalog.

Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.

Students must earn at least a "C" (2.0) in each required course.

Co-op or internship credit cannot be used in this major.

Students should consult with a departmental advisor.

Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:

MAC 2311 Calculus with Analytic Geometry I
MAC 2312 Calculus with Analytic Geometry II
MAC 3472 Complex Variables

1. UCF General Education Program (GEP) (38 hrs)

Note: Certain courses must be selected for this major, bringing GEP hours above 36

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)

Required: MAC 2311 Calculus with Analytic Geometry I

Required: COP 3502C Computer Science I

D: Social Foundations (6 hrs)

E: Science Foundations (7 hrs)

Physical Sciences: 4 hrs

Required: PHY 2048C Physics for Engineers & Scientists I

Life Sciences: Select one course listed in GEP E 2

Free Elective 3 hrs

Writing Core 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)
- STA 2023 Statistical Methods I 3 hrs
- MAP 2302 Differential Equations CPP
- PHY 2048C Physics for Engineers & Scientists I GEP/CPP
- PHY 2049C Physics for Engineers and Scientists II CPP
- COP 3502C Computer Science I GEP

4. Core Requirements: Advanced Level (42 hrs)
- ENC 3241 Writing for the Technical Professional
- MAA 4402 Introduction to Complex Variables 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- STA 4322 Statistical Theory II 3 hrs
- COP 3503C Computer Science II 4 hrs
- COT 4600 Numerical Calculus 3 hrs

Select 1:
- MHI 3302 Logic and Proof in Mathematics or 3 hrs
- COT 3100C Introduction to Discrete Structures 3 hrs

Select 1:
- MAP 4103 Mathematical Modeling I or 3 hrs
- MAP 4153 Vector and Tensor Analysis 3 hrs

5. Restricted Electives (18 hrs)
Select 6:
- COP 3402 Systems Software or 3 hrs
- COP 4331C Processes for Object-Oriented Software Development or 4 hrs
- COP 4020 Programming Languages I or 3 hrs
- COP 4600 Operating Systems or 3 hrs
- COT 4210 Discrete Structures II or 3 hrs
- EEL 4768C Computer Architecture or 4 hrs
- any MAA, MAD, MAP, MAS, or MTG upper division courses 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- Students desiring to complete a double major in both Computer Science and Applied Mathematics must also complete all the requirements of the School of Computer Science. To minimize the total hours taken for both majors, students should select an advanced computer science course for the unrestricted elective.

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of C (2.0) or better in each course required in the degree program.
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residence at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required: 120

Honors in Major
- None

Related Programs
- Mathematics - Applied Track
- Computer Science
- Electrical Engineering
- Mathematics Education
- Statistics

Certificates
- None

Related Minors
- Computer Science
- Physics
- Statistics

Advising Notes
- None

Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF.
- Computer Programming: may use any programming language course with a COP prefix.
- Physics: The CPP accepts any PHY, CHM or BSC course with a lab designed for science majors; however these physics classes and labs are core requirements and still must be taken.

Plan of Study
- One of numerous possible plans of study. See program description for all requirements.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in your first Math course, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall 14 hrs
- GEP 3 hrs
- Free Elective 4 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs

Freshman Year - Spring 16 hrs
- GEP 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHI 3302 Logic and Proof in Mathematics 3 hrs

Sophomore Year - Fall 15 hrs
- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

Sophomore Year - Spring 14 hrs
- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs

Junior Year - Fall 15 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs
- MAP 4363 Applied Boundary Value Problems I 3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- COP 3502C Computer Science I 3 hrs
- MAA 4402 Introduction to Complex Variables 3 hrs
- MAP 4364 Applied Boundary Value Problems II 3 hrs

Senior Year - Fall 16 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- MAD 4203 Applied Combinatorics 3 hrs
- COP 3503C Computer Science II 4 hrs

Senior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs
- COT 4500 Numerical Calculus 3 hrs
- GEP 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/ael/academic_learning_compacts.htm

Mathematics - Engineering/Physics Track (B.S.)
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
E-mail: math@mail.ucf.edu
Dr. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

UCF Degree Programs

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a C (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses except the following must either be taken from or approved by the Department of Mathematics at UCF:
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - MAC 2312 Calculus with Analytic Geometry II 4 hrs
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - MAP 2302 Differential Equations 3 hrs

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected for this major, bringing GEP hours above 36
  - A: Communication Foundations (9 hrs)
  - B: Cultural & Historical Foundations (9 hrs)
  - C: Mathematical Foundations (7 hrs)
    Required: MAC 2311 Calculus with Analytic Geometry I 4 hrs
    Required: COP 3502C Computer Science I 3 hrs
  - D: Social Foundations (6 hrs)
  - E: Science Foundations (7 hrs)
  - Physical Sciences (4 hrs)
    Required: PHY 2048C Physics for Engineers & Scientists I 4 hrs

Life & Earth Sciences. 3 hrs
Select one course listed in GEP E 2.

2. Common Program Prerequisites (CPP) (18 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes for the courses below.
  - COP 3223 Introduction to Programming with C 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I 3 hrs
  - MAC 2312 Calculus with Analytic Geometry II 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

3. Core Requirements: Basic Level (3 hrs)
  - COP 3502C Computer Science I 3 hrs
  - MAP 2302 Differential Equations 3 hrs
  - PHY 2048C Physics for Engineers & Scientists I 3 hrs
  - PHY 2049C Physics for Engineers and Scientists II 3 hrs

Select one statistics course:
- STA 3032 Probability and Statistics for Engineers or 3 hrs
- STA 2023 Statistical Methods I 3 hrs

4. Core Requirements: Advanced Level (53 hrs)
  - MAP 4103 Mathematical Modeling I or 3 hrs
  - EML 3034C Modeling Methods in Mechanical and Aerospace Engineering or 3 hrs
  - PHZ 3151 Computer Methods in Physics 3 hrs

Select one:
- EGN 3420 Engineering Analysis or 3 hrs
- EGN 3210 Introduction to Discrete Structures 3 hrs

Select one:
- MAS 5080 Linear Algebra or 4 hrs
- MAD 4203 Applied Combinatorics 3 hrs

Select one:
- EGN 3310 Engineering Analysis-Statics or 3 hrs
- PHY 3220 Mechanics I 3 hrs

Select one:
- EGN 3373 Principles of Electrical Engineering or 3 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Select one:
- ECM 3601 Fluid Mechanics I or 3 hrs
- ECI 4008 Mechanical Materials or 3 hrs
- ECI 4628C Industrial Engineering Applications of Computers or 3 hrs
- PHZ 3113 Introduction to Theoretical Methods of Physics 3 hrs

Select one:
- EGM 3358 Thermo-Fluids-Heat Transfer or 3 hrs
- PHY 3513 Thermal and Statistical Physics or 3 hrs
- Or any MAE, MAD, MAP, MAS, or MTG course at 3000 level or above 3 hrs

Select one:
- EML 3701 Fluid Mechanics I or 3 hrs
- CWR 3091 Engineering Fluid Mechanics or 3 hrs
- 1 PHY 3101 Physics for Engineers and Scientists I or 3 hrs
- ESI 4628C Industrial Engineering Applications of Computers or 3 hrs

Select one:
- EGM 3331 Mechanics of Materials or 3 hrs
- CHM 2046 Chemistry Fundamentals II or 3 hrs
- ESI 4312 Operations Research or 3 hrs
- EML 4220 Vibration Analysis or 3 hrs
- EEL 3004 Electrical Networks or 3 hrs
- PHY 4604 Wave Mechanics I or 3 hrs
5. Restricted Electives (6 hrs)

Select 1: 3 hrs

- PHY 3101 Electricity and Magnetism I 3 hrs
- EGN 3613 Electrical Networks 3 hrs
- or any MAA, MAD, MAP, or MAS course at 3000 level or above

Select 2: 3 hrs

- PHY 3323 Electricity and Magnetism II 3 hrs
- EGN 3365 Structure and Properties of Materials 3 hrs
- or any PHY, AST, PHZ, MAA, MAD, MAP, or MAS course at 3000 level or above

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- Students desiring a double major in Engineering or Physics and Mathematics must also complete all requirements of both majors. Students should select electives which satisfy both majors simultaneously when possible.

9. Additional Requirements

- None

10. Required Minors

- None

11. Department Exit Requirements

- Earn a grade of "C" (2.0) or better in each course required in the degree program (sections 2-5 above).
- Participate in an exit interview.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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

Hons In Major

- None

Related Programs

- Mathematics - Applied Track
- Computer Science
- Civil Engineering
- Electrical Engineering
- Aerospace Engineering
- Mechanical Engineering
- Physics
- Mathematics Education
- Statistics

Certificates

- None

Related Minors

- Computer Science
- Physics
- Statistics

Advising Notes

- None

Transfer Notes

- Lower division courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - Computer Programming: may use any programming language course with a COP prefix to satisfy the CPP.
  - Physics: may use any PHY, CHM or BSC course with a lab designed for science majors to satisfy the CPP. However, these physics classes are core requirements and still must be taken.

Plan of Study

- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Chemistry, take Chemistry Placement Test ~ http://chemplacement.sdes.ucf.edu/
- Prior to enrolling in Math, take Math Placement Test ~ http://mathplacement.sdes.ucf.edu/

Freshman Year - Fall

- GEP 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs

Freshman Year - Spring

- GEP 3 hrs
- GEP 3 hrs
- Core Course 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- Core Course 3 hrs

Sophomore Year - Fall

- GEP 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- GEP 3 hrs

Sophomore Year - Spring

- GEP 3 hrs
- MAP 2302 Differential Equations 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- Core Course 3 hrs
- Free Elective 3 hrs
UCF Degree Programs

### Mathematics - Mathematical Economics Track (B.S.)

**College of Sciences**  
**Department of Mathematics, Math and Physics, Room: 207**

*[http://math.ucf.edu](http://math.ucf.edu)*  
**E-mail: math@mail.ucf.edu**  
Dr. J. Brennan, jpbrenna@mail.ucf.edu  
407-823-5700

The Mathematics - Mathematical Economics track is designed for students who wish to earn a B.S. degree in Mathematics with an emphasis in Economics. This interdisciplinary program is carefully structured so that a student has an opportunity to develop mathematical skills that can be applied to problems in economic theory and quantitative analysis. These critical thinking and analytical skills will be useful as preparation for graduate study and careers in a variety of fields.

**Admission Requirements**
- None

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- **Departmental Residency Requirement**: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics and Economics Departments.
- **Students must earn at least a "C" (2.0) in each required course.**
- **Co-op or internship credit cannot be used in this major.**
- Students should consult with a departmental advisor.
- Courses designated in sections 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- Students should consult with the major advisors for the Department of Mathematics and Economics.
- **All mathematics courses, except the following, must either be taken from or approved by the Department of Mathematics at UCF.**
- **MAC 2311 Calculus with Analytic Geometry I**
- **MAC 2312 Calculus with Analytic Geometry II**
- **MAC 2313 Calculus with Analytic Geometry III**
- **MAP 2302 Differential Equations**
- **MAP 2303 Vector and Tensor Analysis**
- **ECON 4204 Econometrics**
- **MAP 4103 Mathematical Modeling I**
- **ECON 4412 Econometrics**
- **MAP 4153 Advanced Calculus I**
- **ECON 4415 Mathematical Economics**
- **MAP 4307 Applied Boundary Value Problems I**
- **ECON 4418 Intermediate Microeconomics**
- **MAP 4308 Applied Boundary Value Problems II**
- **ECON 4419 Intermediate Macroeconomics**
- **MAP 4363 Complex Variables**
- **ECON 4422 Research Methods in Economics**
- **MAP 4364 Complex Variables**
- **ECON 4423 Econometrics**

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<td>GEP</td>
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<td>Core Course</td>
<td>3 hrs</td>
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<tr>
<td>MAP 4153</td>
<td>3 hrs</td>
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<tr>
<td>Free Elective</td>
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<th>Junior Year - Spring</th>
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<tr>
<td>MAA 4402</td>
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<td>MAA 4226</td>
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<td>Core Course</td>
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<tr>
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<tbody>
<tr>
<td>MAP 4363</td>
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<tr>
<td>EGN 3321</td>
<td>3 hrs</td>
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<td>Core Course</td>
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<tr>
<td>Restricted Elective</td>
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<th>Senior Year - Spring</th>
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<td>MAP 4364</td>
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<td>Core Course</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td>3 hrs</td>
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**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:  
  [http://www.oesa.ucf.edu/alc/academic_learning_compacts.htm](http://www.oesa.ucf.edu/alc/academic_learning_compacts.htm)

### Mathematics - Mathematical Economics Track (B.S.)

<table>
<thead>
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<th>Program Academic Learning Compacts</th>
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<tr>
<td>Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:</td>
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<tr>
<td><a href="http://www.oesa.ucf.edu/alc/academic_learning_compacts.htm">http://www.oesa.ucf.edu/alc/academic_learning_compacts.htm</a></td>
</tr>
</tbody>
</table>

### Degree Requirements

#### 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**

<table>
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<tr>
<th>Core Course</th>
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<tbody>
<tr>
<td>Prefer SPC 1608 Fundamentals of Oral Communication</td>
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**B: Cultural & Historical Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
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</thead>
<tbody>
<tr>
<td>Required MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required STA 2323 Statistical Methods I</td>
<td>3 hrs</td>
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</table>

**C: Mathematical Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
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</thead>
<tbody>
<tr>
<td>Required MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required STA 2323 Statistical Methods I</td>
<td>3 hrs</td>
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**D: Social Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ECO 2013 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
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</tbody>
</table>

**E: Science Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ECO 2013 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 2. Remaining Science Requirement

**Complete the section of the Science GEP not yet taken.**

3 hrs

### 2. Common Program Prerequisites (CPP) (14 hrs)

- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- See Transfer Notes for possible substitutes.

**A: Communication Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry I</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry II</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry III</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**B: Cultural & Historical Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 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 2323 Statistical Methods I</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**C: Mathematical Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ECO 2013 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**D: Social Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ECO 2013 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**E: Science Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ECO 2013 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level (26 hrs)

<table>
<thead>
<tr>
<th>Core Course</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013 Principles of Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MGF 3320 Logic and Proofs</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 4321 Statistical Theory I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3101 Intermediate Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 3203 Intermediate Macroeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4451 Research Methods in Economics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2323 Statistical Methods I</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**Remaining Science Sequence**

- Complete the science sequence started in the Common Program Prerequisites.

**A: Communication Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C Physics for Engineers &amp; Scientists</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

**B: Cultural & Historical Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required MATH 2408C Calculus with Analytic Geometry</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required MATH 2409C Calculus with Analytic Geometry</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Required STA 2342 Statistical Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required STA 2343 Statistical Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required STA 2344 Statistical Methods</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required STA 2345 Statistical Methods</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**C: Mathematical Foundations**

<table>
<thead>
<tr>
<th>Core Course</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ECO 2013 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Required ECO 2023 Principles of Microeconomics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level (17 hrs)

<table>
<thead>
<tr>
<th>Core Course</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAA 4226 Advanced Calculus</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAP 4103 Mathematical Modeling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4412 Econometrics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Core Course</th>
<th>4 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAP 4103 Mathematical Modeling</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ECO 4412 Econometrics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Undergraduate Catalog 2011-2012

244
### 5. Restricted Electives (18 hrs)
- Select three courses from each of the following two areas:
  - **Area 1**
    - COT 4500 Numerical Calculus 3 hrs
    - MAD 4203 Applied Combinatorics 3 hrs
    - MAP 4363 Applied Boundary Value Problems I 3 hrs
    - MAP 4113 Probability, Random Processes and Applications I 3 hrs
    - MAA 4402 Introduction to Complex Variables 3 hrs
  - **Area 2**
    - ECO 3703 International Microeconomics 3 hrs
    - ECO 4713 International Macroeconomics 3 hrs
    - ECO 4504 Public Economics 3 hrs
    - ECP 4403 Industrial Organization and Game Theory 3 hrs
    - ECP 4303 Environmental and Natural Resource Economics 3 hrs
    - STA 4322 Statistical Theory II 3 hrs

### 6. Capstone Requirements
- None

### 7. Foreign Language Requirements

#### Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

#### Graduation
- None

#### 8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Students must earn a grade of "C" (2.0) or better in each course applied towards the major as well as a 2.0 overall average.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the 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
- Statistics
- Certificates
- None

### Related Minors
- Statistics
- Computer Science
- Economics
- Mathematics

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.

### Acceptable Substitutes for Transfer Courses
- Substitutes for common program prerequisites if taken prior to transferring to UCF.
- Computer Programming: may use any programming language course with a COP prefix.

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year - Fall
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- STA 2023 Statistical Methods I 3 hrs
- GEP 3 hrs
- COP 3223 Introduction to Programming with C 3 hrs

#### Freshman Year - Spring
- ECO 2023 Principles of Microeconomics 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- ENC 1102 Composition II 3 hrs
- GEP 3 hrs

#### Sophomore Year - Fall
- ECO 2013 Principles of Macroeconomics 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAS 3105 Matrix and Linear Algebra 4 hrs
- GEP 4 hrs

#### Sophomore Year - Spring
- ECO 3101 Intermediate Macroeconomics 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MAS 3106 Linear Algebra 4 hrs
- GEP 3 hrs
- Core Course 4 hrs

#### Junior Year - Fall
- ECO 3203 Intermediate Macroeconomics 3 hrs
- STA 4321 Statistical Theory I 3 hrs
- Free Elective 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs

#### Junior Year - Spring
- MAP 4103 Mathematical Modeling I 3 hrs
- ECO 3410 Mathematical Economics 3 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Fall
- COP 4500 Numerical Calculus 3 hrs
- MAA 4226 Advanced Calculus I 4 hrs
- GEP 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs

#### Senior Year - Spring
- ECO 4412 Econometrics 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs
- Restricted Elective 3 hrs

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

### Mathematics - Pure Track (B.S.)

#### College of Sciences

#### Department of Mathematics, Math and Physics,

#### Room: 207

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

**E-mail:** math@mail.ucf.edu

Dr. J. Brennan, jpbrenna@mail.ucf.edu, 407-823-5700

The Department of Mathematics offers some courses with the same prefix and number as listed in requirements 1, 2 and 3, but with a suffix of H. These are for students in the Honors Program.

### Admission Requirements
- None
UCF Degree Programs

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 24 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Mathematics Department.
- Students must earn at least a "C" (2.0) in each required course.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- All mathematics courses, except the following, must be either taken from or approved by the Department of Mathematics at UCF.

1. UCF General Education Program (GEP) (38 hrs)
   - (Note: Certain courses must be selected for this major, bringing GEP hours above 36)
   - A: Communication Foundations (9 hrs)
   - B: Cultural & Historical Foundations (9 hrs)
   - C: Mathematical Foundations (7 hrs)
     - Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
     - Required COP 3502C Computer Science I 3 hrs
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (7 hrs)
     - E1. Physical Sciences
       - Required PHY 2048C Physics for Engineers & Scientists I 4 hrs
   - E2. Life & Earth Sciences:
     - Select one of the following courses; 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
   - See Transfer Notes for possible substitutions of certain courses.
   - COP 3223 Introduction to Programming with C 3 hrs
   - MAC 2311 Calculus with Analytic Geometry I GEP 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 4 hrs

3. Core Requirements: Basic Level (3 hrs)
   - STA 2023 Statistical Methods I 3 hrs
   - MAP 2302 Differential Equations CPP 3 hrs
   - PHY 2048C Physics for Engineers & Scientists I GEP/CPP 4 hrs

4. Core Requirements: Advanced Level (42 hrs)
   - MGF 3302 Logic and Proof in Mathematics 3 hrs
   - MAS 3105 Matrix and Linear Algebra 4 hrs
   - MAS 3106 Linear Algebra 4 hrs
   - MAP 4363 Applied Boundary Value Problems I 3 hrs
   - STA 4321 Statistical Theory I 3 hrs
   - STA 4322 Statistical Theory II 3 hrs
   - MAS 4301 Abstract Algebra I 3 hrs
   - COP 3502C Computer Science I GEP 4 hrs
   - MAA 4226 Advanced Calculus I 4 hrs
   - MAA 4227 Advanced Calculus II 3 hrs
   - MAD 4303 Applied Combinatorics 3 hrs
   - MTG 4302 Introduction to Topology 3 hrs
   - MAA 4402 Introduction to Complex Variables 3 hrs

Select one of the following courses; 3 hrs
   - ENC 3241 Writing for the Technical Professional or 3 hrs
   - ENC 3310 Magazine Writing I or 3 hrs
   - ENC 3311 Advanced Expository Writing 3 hrs

5. Restricted Electives (3 hrs)
   - Note: Students must satisfy course prerequisites before enrolling in these courses.

Select one of the following courses; 3 hrs
   - PCB 3044 Principles of Ecology or 3 hrs
   - PCB 3063 Genetics or 3 hrs
   - PCB 4302C Physiochemical Limnology or 4 hrs
   - PCB 4303C Biological Limnology or 4 hrs
   - CHM 2046 Chemistry Fundamentals II or 3 hrs
   - CHM 2210 Organic Chemistry I or 3 hrs
   - PHY 3101 Physics for Engineers and Scientists III or 3 hrs
   - PHY 3323 Electricity and Magnetism I or 3 hrs
   - PHY 4424 Optics 3 hrs

6. Capstone Requirements
   - None

7. Foreign Language Requirements

Admissions
   - None

Graduation
   - None

Electives
   - Select primarily from upper level courses, with departmental advisor's approval. May be outside of the department.

Additional Requirements
   - None

Required Minors
   - None

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.

University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
   - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   - Complete the 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
   - Statistics
   - Mathematics - Applied Track
   - Mathematics - Mathematical Economics Track
   - Computer Science
   - Mathematics Education

Certificates
   - None

Related Minors
   - Computer Science
   - Physics
   - Statistics
   - Economics
   - Mathematics

Advising Notes
   - None

Transfer Notes
   - Lower division courses taken at community colleges do not substitute for Upper Division courses
   - Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - The following substitutions are acceptable for common program prerequisites if taken as part of the AA course work prior to transferring to UCF:
     - Computer Programming: may use any programming course with a COP prefix.
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
GEP 3 hrs
MAC 2311 Calculus with Analytic Geometry I 4 hrs
STA 2023 Statistical Methods I 3 hrs

Sophomore Year - Fall
15 hrs
GEP 3 hrs
PHY 2048C Physics for Engineers & Scientists I 4 hrs
MAC 2313 Calculus with Analytic Geometry III 4 hrs
MAS 3105 Matrix and Linear Algebra 4 hrs

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
COP 3223 Introduction to Programming with C 3 hrs
MAP 4363 Applied Boundary Value Problems I 3 hrs
MAS 4301 Abstract Algebra I 3 hrs
Free Elective 3 hrs
Free Elective 3 hrs

Junior Year - Spring
16 hrs
MAA 4402 Introduction to Complex Variables 3 hrs
Restricted Elective 4 hrs
Free Elective 3 hrs
Free Elective 4 hrs
COP 3502C Computer Science I 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
MAA 4227 Advanced Calculus II 3 hrs
MTG 4302 Introduction to Topology 3 hrs
STA 4322 Statistical Theory II 3 hrs
Free Elective 4 hrs

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
http://www.oaes.ucf.edu/aic/academic_learning.compacts.htm

Mathematics Education (B.S.)
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed
Dr. Janet Andraesen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5340
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 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 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
Preferred SPC 1608 Fundamentals of Oral Communication 3 hrs
B: Cultural & Historical Foundations (9 hrs)
Preferred AMH 2010 U.S. History: 1877-Present 3 hrs
Preferred AMH 2020 U.S. History: 1877-Present 3 hrs
Preferred PHI 2010 Introduction to Philosophy 3 hrs
C: Mathematical Foundations (7 hrs)
Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
Required STA 2323 Statistical Methods I 3 hrs
D: Social Foundations (6 hrs)
Preferred POS 2041 American National Government 3 hrs
Preferred PSY 2012 General Psychology 3 hrs
E: Science Foundations (6 hrs)
Preferred PSC 1121 Physical Science 3 hrs
Select 1: (3 hrs)
Preferred ANT 2511 The Human Species or 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.
Take all of the following: (9 hrs)
EDF 2005 Introduction to the Teaching Profession 3 hrs
1 EDF 2085 Introduction to Diversity for Educators and 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (14 hrs)
Students should consult advisor regarding course options.
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs
MAC 2311 Calculus with Analytic Geometry I GEP
STA 2323 Statistical Methods I GEP
MAC 2312 Calculus with Analytic Geometry II 4 hrs
6. Capstone Requirements

5. Restricted Electives

at the preprofessional level in accordance with State Board of Education

Experiences at dates and applications are available through the Office of Clinical

Internship II.

required in the professional, specialization and overall for admission to

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

Prior to Internship I, the student must have completed EDG 4410

and at least 50% of all required mathematics courses must be com-

pleted prior to Internship I with a minimum grade of "C-" (1.75) or better.

However, at minimum GPA of 2.5 is required in the professional, special-

ization and overall for admission to Internship I.

Passing score on the Professional Education Test portion of the

Florida Teacher Certification Examination (FTCE) is strongly recommend-

ed as soon as possible after completing the following courses: EDG 4410

Teaching Strategies and Classroom Management, EDF 4467 Learning

Theory and Assessment, RED 4043 Content Reading Kindergarten

through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL

Students in Schools.

EDG 4410 Teaching Strategies and Classroom Management 3 hrs

EDF 4467 Learning Theory and Assessment 3 hrs

EDF 4603 Analysis and Application of Ethical, Legal, and

Safety Issues in Schools 3 hrs

TSL 4080 Theory and Practice of Teaching ESOL

Students in Schools 3 hrs

EEX 4242 Teaching Exceptional Students in

Secondary Settings 3 hrs

RED 4043 Content Reading in Kindergarten through

Grade 12 3 hrs

Internship I Block

7 hrs

Passing score on the General Knowledge Test portion of the Florida

Teacher Certification Examination (FTCE) is required before application

to Internship I.

Students must apply and be approved for Internship I. Deadline

dates and applications are available through the Office of Clinical

Experiences at http://www.education.ucf.edu/clinicalexp/

MAE 4360 Mathematics Instructional Analysis 4 hrs

1 MAE 3940 Internship 3 hrs

1 3 hours

Specialization Requirements

23 hrs

A grade of "C-" (1.75) or better is required.

MAS 3105 Matrix and Linear Algebra 4 hrs

MAS 3203 Introduction to Number Theory 3 hrs

MHF 3302 Logic and Proof in Mathematics 3 hrs

MHF 4404 History of Mathematics 3 hrs

MTG 4212 Modern Geometries 4 hrs

STA 4163 Statistical Methods II 3 hrs

MAE 4634 Programs in Teaching of Mathematics 3 hrs

Internship II

12 hrs

At least 80% of all required mathematics courses and all methods

courses must be completed with a letter grade of "C-" (1.75) or better

before registering for Internship II. However, a minimum GPA of 2.5 is

required in the professional, specialization and overall for admission to

Internship II.

Passing scores on the Subject Area Examination (Mathematics

6-12) portion of the Florida Teacher Certification Examination is strongly

recommended prior to entry into Internship II.

Students must apply and be approved for Internship II. Deadline

dates and applications are available through the Office of Clinical

Experiences at http://www.clinicalexperiences.education.ucf.edu/

Satisfactory completion of Internship II requires the student to dem-

onstrate proficiency in all 12 Florida Educator Accomplished Practices

at the professional level in accordance with State Board of Education

Rule 6A-5.066.

MAE 4941 Internship 12 hrs

5. Restricted Electives

None

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement:
  two years in high school or one year of college instruction in a single
  foreign language. (This requirement applies to those students admitted to
  the University without the required two units of foreign language in high
  school.)

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.

- Complete a portfolio according to program guidelines. This portfolio
  requires demonstration of professional growth, reflection, and proficiency
  in the 12 Florida Educator Accomplished Practices.

- Pass all applicable sections of the Florida Teacher Certification
  Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA

- 60 semester hours earned after CLEP awarded

- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in resi-
  dency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit
  by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the
  CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- 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

- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- PSC 1121 Physical Science 3 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Select 1:

- ANT 2511 The Human Species 3 hrs
- BSC 1005 Biological Principles 3 hrs

Freshman Year - Summer

- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- PSY 2012 General Psychology 3 hrs

Sophomore Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- MAP 2302 Differential Equations 3 hrs
- MHF 3302 Logic and Proof in Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- STA 2023 Statistical Methods I 3 hrs
## UCF Degree Programs

### 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](http://www.mmae.ucf.edu)  
E-mail: mmaeugrad@mail.ucf.edu  
Dr. Kuo-Chi Lin, klin@mail.ucf.edu, 407-823-0137  
Waheda Illasarie, willasar@mail.ucf.edu, 407-823-5448  
407-823-2418

### 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 from the Florida State University/Community College Systems should complete the GEP and the Common Program Prerequisites before transferring.

<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</td>
</tr>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1:

- **Prefer** SPC 1603 Fundamentals of Technical Presentations or 3 hrs
- **Suggested** SPC 1608 Fundamentals of Oral Communication 3 hrs

### B: Cultural & Historical Foundations (9 hrs)

- Select two courses from Historical Foundations

### C: Mathematical Foundations (7 hrs)

- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs
- Required STA 3032 Probability and Statistics for Engineers 3 hrs

### D: Social Foundations (6 hrs)

Select 1:

- Prefer ECO 2013 Principles of Macroeconomics 3 hrs
- Prefer ECO 2023 Principles of Microeconomics 3 hrs

### E: Science Foundations (19 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>CHM 1240</td>
<td>Fundamentals of Chemistry for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>CHM 1241</td>
<td>Fundamentals of Chemistry for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2040C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2041C</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1:

- CHS 1440 Fundamentals of Chemistry for Engineers 4 hrs
- CHM 2045C Chemistry Fundamentals I or 4 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>Calculus with Analytic Geometry I</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>Calculus with Analytic Geometry II</td>
<td>4</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>Calculus with Analytic Geometry III</td>
<td>4</td>
</tr>
<tr>
<td>MAP 2302</td>
<td>Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>Physics for Engineers &amp; Scientists I</td>
<td>4</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>Physics for Engineers &amp; Scientists II</td>
<td>4</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGN 1006C</td>
<td>Introduction to the Engineering Profession</td>
<td>1</td>
</tr>
<tr>
<td>EGN 1007C</td>
<td>Engineering Concepts and Methods</td>
<td>1</td>
</tr>
</tbody>
</table>

4. **Core Requirements: Advanced Level (63 hrs)**

- **Required Courses: Advanced 42 hrs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<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 3343</td>
<td>Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3365</td>
<td>Structure and Properties of Materials</td>
<td>3</td>
</tr>
<tr>
<td>EGN 3373</td>
<td>Principles of Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>STA 3032</td>
<td>Probability and Statistics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>EML 3034C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering</td>
<td>3</td>
</tr>
<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measurements</td>
<td>3</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>Feedback Control</td>
<td>3</td>
</tr>
<tr>
<td>EML 3500</td>
<td>Machine Design and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EGM 3601</td>
<td>Solid Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I</td>
<td>3</td>
</tr>
<tr>
<td>EML 4142</td>
<td>Heat Transfer</td>
<td>3</td>
</tr>
<tr>
<td>EML 4220</td>
<td>Vibration Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EML 4550C</td>
<td>CAD/CAM</td>
<td>3</td>
</tr>
</tbody>
</table>

- Select one of the following three options for your senior year to complete your BSME:
UCF Degree Programs

Energy Systems Option
- EML 3101 Thermodynamics of Mechanical Systems and 3 hrs
- EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
- EML 4703 Fluid Mechanics II and 3 hrs
- EML 4145 Topics in Heat Transfer and 2 hrs
- EML 4221C Mechanical Systems Experimental Techniques and 2 hrs
- Approved Electives 9 hrs

Mechanical Systems Option
- EML 4304C Design of Thermo-Fluid Experiment and 2 hrs
- EML 3262 Kinematics of Mechanics and 3 hrs
- EGM 3601L Solid Mechanics Lab and 2 hrs
- EML 4221C Mechanical Systems Experimental Techniques and 2 hrs
- Approved Electives 12 hrs

Materials Option
- EMA 3012C Experimental Techniques in Mechanics and Materials and 3 hrs
- EMA 4102 Thermodynamics and Kinetics of Materials and 3 hrs
- EMA 3124 Design and Selection of Materials and 3 hrs
- EMA 4223 Fundamentals of Mechanical Behavior of Materials and 3 hrs
- Approved Electives 9 hrs

5. Restricted Electives
- Technical electives are available in the BSME program to address specific student interests in a variety of technical areas. Students should consult with their Department for a list of approved technical electives and the terms when specific courses of this type are to be offered. For more information, please visit http://rmae.ucf.edu/Academics/Undergraduate/Approved%20Electives.pdf

6. Capstone Requirements
- These courses are a capstone experience to your engineering program and should be completed in your last 2 major semesters of study.
- Select 1: 3 hrs
  - EML 4501C Engineering Design I or
  - EGN 4412C Interdisciplinary Design I
- Select 1: 3 hrs
  - EML 4502C Engineering Design II or
  - EGN 4413C Interdisciplinary Design II

7. Foreign Language Requirements
- Admissions:
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
- Graduation:
  - None
- Electives:
  - None
- Additional Requirements:
  - None
- Required Minors:
  - None

11. Departmental Exit Requirements
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 128

Honors in Major
- None

Related Programs
- Aerospace Engineering

Certificates
- None

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

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

Career and Academic Advising
- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
  - EML 3990 Mechanical Career and Academic Faculty 0 hrs
  - EML 4991 Mechanical Career and Academic Faculty 0 hrs
  - Advising I
  - Advising II

Transfer Notes
- EGN 1006C and EGN 1007C are required courses for incoming freshmen only. The two credit hours for these courses will be substituted by an approved Mechanical Engineering technical elective for transfer students.
- Courses taken from Community Colleges do not substitute for Upper Division Courses unless part of an articulated pre-engineering degree program.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide all supporting information with his/her petition for this evaluation.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- 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
  - EGN 1006C Introduction to the Engineering Profession 1 hr
  - ENC 1101 Composition I 3 hrs
  - MAC 2311 Calculus with Analytic Geometry I 4 hrs
  - GEP 3 hrs
  - Select 1: 4 hrs
    - CHS 1440 Fundamentals of Chemistry for Engineers or
    - CHM 2045C Chemistry Fundamentals I or
    - 1 CHM 2040 Chemistry Fundamentals I or
    - 1 CHM 2041C to complete the sequence
  - MAC 2313 Calculus with Analytic Geometry III 4 hrs
  - GEP 3 hrs
  - Freshman Year - Spring
    - EGN 1007C Engineering Concepts and Methods 1 hr
    - ENC 1102 Composition II 3 hrs
    - MAC 2312 Calculus with Analytic Geometry II 4 hrs
    - PHY 2048C Physics for Engineers & Scientists I 4 hrs
    - GEP 3 hrs
  - Freshman Year - Summer
    - MAC 2313 Calculus with Analytic Geometry III 4 hrs
    - GEP 3 hrs

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

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

Sophomore Year - Summer
- EGN 3385 Structure and Properties of Materials 3 hrs
- GEP 3 hrs
- GEP 3 hrs
<table>
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<tr>
<th>Junior Year - Fall</th>
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<tbody>
<tr>
<td>EML 3500</td>
<td>Machine Design and Analysis 3 hrs</td>
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<tr>
<td>EML 3701</td>
<td>Fluid Mechanics I 3 hrs</td>
</tr>
<tr>
<td>EML 3034C</td>
<td>Modeling Methods in Mechanical and Aerospace Engineering 3 hrs</td>
</tr>
<tr>
<td>EML 3303C</td>
<td>Mechanical Engineering Measurements 3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
</tr>
<tr>
<td>EML 3990</td>
<td>Mechanical Career and Academic Faculty Advising I 0 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I or 3 hrs</td>
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<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I 3 hrs</td>
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</table>

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>EML 3282</td>
<td>Kinematics of Mechanisms 3 hrs</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>Feedback Control 3 hrs</td>
</tr>
<tr>
<td>EML 4314C</td>
<td>Mechanical Systems Experimental Techniques 2 hrs</td>
</tr>
<tr>
<td>EML 4221C</td>
<td></td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II 0 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II or 3 hrs</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II 3 hrs</td>
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</tbody>
</table>

**Energy Systems Option**

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>14 hrs</th>
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<tbody>
<tr>
<td>EML 3101</td>
<td>Thermodynamics of Mechanical Systems 3 hrs</td>
</tr>
<tr>
<td>EML 4703</td>
<td>Fluid Mechanics II 3 hrs</td>
</tr>
<tr>
<td>EML 4312C</td>
<td>Feedback Control 3 hrs</td>
</tr>
<tr>
<td>EML 4221C</td>
<td>Mechanical Systems Experimental Techniques 2 hrs</td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II 0 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I or 3 hrs</td>
</tr>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I 3 hrs</td>
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<table>
<thead>
<tr>
<th>Senior Year - Summer</th>
<th>13 hrs</th>
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</thead>
<tbody>
<tr>
<td>EML 4304C</td>
<td>Design of Thermo-Fluid Experiment 2 hrs</td>
</tr>
<tr>
<td>EML 4214S</td>
<td>Topics in Heat Transfer 2 hrs</td>
</tr>
<tr>
<td>EML 4221C</td>
<td>Mechanical Systems Experimental Techniques 3 hrs</td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II 0 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4502C</td>
<td>Engineering Design II or 3 hrs</td>
</tr>
<tr>
<td>EGN 4413C</td>
<td>Interdisciplinary Design II 3 hrs</td>
</tr>
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**Materials Option**

<table>
<thead>
<tr>
<th>Senior Year - Fall</th>
<th>15 hrs</th>
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</thead>
<tbody>
<tr>
<td>EMA 4102</td>
<td>Thermodynamics and Kinetics of Materials 3 hrs</td>
</tr>
<tr>
<td>EMA 3124</td>
<td>Design and Selection of Materials 3 hrs</td>
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<tr>
<td>EML 4312C</td>
<td>Feedback Control 3 hrs</td>
</tr>
<tr>
<td>EML 4991</td>
<td>Mechanical Career and Academic Faculty Advising II 0 hrs</td>
</tr>
<tr>
<td>Upper Division elective</td>
<td>3 hrs</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Select 1:</th>
<th>3 hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EML 4501C</td>
<td>Engineering Design I or 3 hrs</td>
</tr>
<tr>
<td>EGN 4412C</td>
<td>Interdisciplinary Design I 3 hrs</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Senior Year - Spring</th>
<th>12 hrs</th>
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</thead>
<tbody>
<tr>
<td>EMA 3022C</td>
<td>Experimental Techniques in Mechanics and Materials 3 hrs</td>
</tr>
<tr>
<td>EMA 4223</td>
<td>Fundamentals of Mechanical Behavior of Materials 3 hrs</td>
</tr>
<tr>
<td>Upper Division elective</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>
### UCF Degree Programs

#### 2. Common Program Prerequisites (CPP) (25 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- **BSC 2010C** Biology I GEP
- **STA 2023** Statistical Methods I GEP
- **ZOO** Human Anatomy 4 hrs

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level (64 hrs)
- **MLS 3220C** Techniques in Clinical Microscopy 3 hrs
- **MLS 4625** Advanced Clinical Chemistry II 3 hrs
- **PCB 3233** Immunology 3 hrs
- **MLS 4430C** Clinical Pathology 2 hrs
- **MLS 3305** Hematology 3 hrs
- **MLS 4505C** Immunodiagnosis 3 hrs
- **MLS 4910** Introduction to Research 1 hr
- **MLS 4550** Clinical Immunohematology 4 hrs
- **MLS 4460C** Clinical Pathogenic Microbiology 5 hrs
- **MLS 4334** Hemostasis 3 hrs
- **MLS 4625L** Advanced Clinical Chem Lab 1 hr
- **PCB 3233L** Immunology Laboratory 1 hr
- **MLS 3305L** Hematology Lab 1 hr
- **MLS 4933** Medical Technology Seminar 2 hrs
- **MLS 3705** Concepts in Education/Management 3 hrs
- **MLS 4630C** 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
- **CGS 1060C** Introduction to Computer Science 3 hrs
- **BSC 3403C** Quantitative Biological Methods 4 hrs

#### 5. Restricted Electives
- None

#### 6. Capstone Requirements
- None

#### 7. Foreign Language Requirements

**Admissions**
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

**Graduation**
- None

#### 8. Electives
- None

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- A minimum 2.5 overall GPA is required for 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

#### Honors In Major
- None

#### Related Programs
- Biomedical Sciences
- Biology
- Chemistry

#### Certificates
- None

#### Related Minors
- Biomedical Sciences
- Biology
- Chemistry

#### Advising Notes
- None

#### Transfer Notes
- Students that transfer with an AA degree and will be pursuing a BS degree must meet the University foreign language admission requirements for graduation.

#### Acceptable Substitutes for Transfer Courses
- **Human Anatomy and Physiology I and II (BSC 2093/BSC 2094)**
- **MCB 3020C** General Microbiology 5 hrs
- May be substituted with: **MCB 2010C**

#### Plan of Study

**Freshman Year - Fall**
- **16 hrs**
  - **ENC 1101** Composition I 3 hrs
  - **MAC 1105C** College Algebra 3 hrs
  - **SPE 1008** Fundamentals of Oral Communication 3 hrs
  - **ANT 2000** General Anthropology 3 hrs
  - **ZOO 3733C** Human Anatomy 4 hrs

**Freshman Year - Spring**
- **17 hrs**
  - **ENC 1102** Composition II 3 hrs
  - **BSC 2010C** Biology I 4 hrs
  - **CHM 2046** Chemistry Fundamentals II 3 hrs
  - **STA 2023** Statistical Methods I 3 hrs

**Sophomore Year - Fall**
- **16 hrs**
  - **CHM 2210** Organic Chemistry I 3 hrs
  - **ZOO 3733C** Human Anatomy 4 hrs

**Sophomore Year - Spring**
- **17 hrs**
  - **AMH 2210** Western Civilization I or 3 hrs
  - **HUM 2210** Humanistic Tradition I or 3 hrs
  - **AMH 2210** U.S. History: 1492-1877 3 hrs

**Select 1:**
- **3 hrs**
  - **ANT 2000** General Anthropology 3 hrs
  - **SYG 2000** Introduction to Sociology 3 hrs
  - **PSY 2012** General Psychology 3 hrs

**Sophomore Year - Fall**
- **16 hrs**
  - **CHM 2210** Organic Chemistry I 3 hrs
  - **ZOO 3733C** Human Anatomy 4 hrs

**Sophomore Year - Spring**
- **17 hrs**
  - **ELUH 2000** Western Civilization I or 3 hrs
  - **HUM 2210** Humanistic Tradition I or 3 hrs
  - **AMH 2010** U.S. History: 1492-1877 3 hrs

**Select 1:**
- **3 hrs**
  - **MUL 2010** Enjoyment of Music or 3 hrs
  - **THE 2000** Theatre Survey or 3 hrs
  - **REL 2300** World Religions or 3 hrs
  - **PHI 2010** Introduction to Philosophy 3 hrs

**Sophomore Year - Summer**
- **126**

**Total Semester Hours Required**
### Modern Language Combination (B.A.)

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**

E-mail: forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

Placement in Language courses: 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.
- At least 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

- 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.

### General Education Program (GEP)

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 STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

### Core Requirements: Basic Level

- None

### Core Requirements: Advanced Level (39 hrs)

- First Language (French, German or Spanish) 24 hrs

### Composition (Select One)

- 3 hrs

1. SPN 3420 Spanish Composition or
1. FRE 3420 French Composition or
1. FRE 4422 Advanced French Composition or
1. GER 3420 Intensive German Composition 3 hrs

### Oral Communication (Select One)

- 3 hrs

1. SPN 3760 Advanced Spanish Oral Communication or
1. FRE 3760 Advanced French Oral Communication or
1. FRE 4421 Advanced French Conversation or
1. GER 3760 Advanced German Oral Communication 3 hrs

### Linguistics (Select One)

- 3 hrs

- SPN 3760 Spanish Phonetics 3 hrs

### Literature (select one sequence)

- 3 hrs

- SPW 3100 Survey of Spanish Literature I and
- SPW 3101 Survey of Spanish Literature II or
- SPW 3130 Survey of Latin-American Literature I and
- SPW 3131 Survey of Latin-American Literature II or
- FRW 3100 Survey of French Literature I and
- FRW 3101 Survey of French Literature II or
- GEW 3101 Survey of German Literature I and
- GEW 3100 Survey of German Literature I 3 hrs

A native or near-native speaker must substitute an alternate upper division language course in consultation with a departmental advisor.

### Second Language (French, German, Spanish or Italian) 15 hrs

### Communication (Select One)

- 3 hrs

- SPN 3420 Spanish Composition or
- FRE 3420 French Composition or
- GER 3420 Intensive German Composition or
- ITA 3420 Italian Composition 3 hrs

### Advanced Oral Communication (select one)

- 3 hrs

- SPN 3760 Advanced Spanish Oral Communication or
- FRE 3760 Advanced French Oral Communication or
- GER 3760 Advanced German Oral Communication or
- ITA 3760 Advanced Italian Oral Communication 3 hrs

### Equipment Fees

- Part-Time Student: $39 per term
- Full-Time Student: $78 per term

### Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:

http://www.oees.ucf.edu/alc/academic_learning_comacts.htm
UCF Degree Programs

5. Restricted Electives
   Restricted Electives in the First Language  9 hrs
   - chosen with departmental advisor
   Restricted Electives in the Second Language  9 hrs
   - chosen with departmental advisor

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   Admissions
   - Met by Graduation requirements.
   Graduation
   - Met by degree program requirements (four semesters or proficiency).

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of "C" (2.0) or higher in at least 39 hrs of upper division Modern Language courses
    - Students are required to satisfactorily complete a departmental exit exam (primary track)
    - Computer Competency met by the following:
      CGS 1060C  Introduction to Computer Science  3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residence at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   - 120

Honors In Major
   - None

Related Programs
   - French
   - Spanish

Certificates
   - None

Related Minors
   - French
   - German
   - Italian
   - Judaic Studies
   - Latin American Area Studies
   - Spanish

Advising Notes
   - None

Transfer Notes
   - Courses taken at community colleges do not substitute for Upper Division courses.
   - Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
   - None

Plan of Study

Freshman Year - Fall  16 hrs
  ENC 1101  Composition I  3 hrs
  1 GEP  3 hrs
  1 GEP  3 hrs
  1 GEP  3 hrs
  1 CPP  4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Fall  16 hrs
  1 GEP  3 hrs
  1 GEP  3 hrs
  2 GEP  3 hrs
  2 CPP  3 hrs
  FRE 1120C  Elementary French Language and Civilization I  4 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Sophomore Year - Spring  15 hrs
  1 GEP  3 hrs
  1 CPP  3 hrs
  1 Restricted Elective  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
  2 Restricted Elective  3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Fall  15 hrs
  1 Core Course  3 hrs
  1 Core Course  3 hrs
  1 Core Course  3 hrs
  1 Core Course  3 hrs
  1 Restricted Elective  3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

Senior Year - Spring  12 hrs
  1 Core Course  3 hrs
  1 Core Course  3 hrs
  1 Core Course  3 hrs
  1 Restricted Elective  3 hrs

1 Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.
Music (B.A.)
College of Arts and Humanities
Department of Music, Performing Arts Center,
Room: M203
http://www.music.cah.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements
- Each student must either complete an audition that demonstrates satisfactory proficiency or pass an interview with the Academic Advisor.
- The audition will serve as a placement examination for accepted candidates.

Degree Requirements
- Prior to attending the first music class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://www.music.ucf.edu/students to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement; at least 25 hours must be taken from the UCF Music department.
- Each student must complete a faculty approved capstone project.
- The completion of a minor is strongly encouraged.

1. UCF General Education Program (GEP) (36 hrs)
   - (see General Education Program for detailed information)
   - A: Communication Foundations (9 hrs)
     - Required ENC 1101 Composition I 3 hrs
     - Required ENC 1102 Composition II 3 hrs
     - Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs
   - B: Cultural & Historical Foundations (9 hrs)
     - Required MUH 3212 Music History and Literature II 3 hrs
     - Select one course from 1.B.1 list 3 hrs
     - Select one course from 1.B.1 or 1.B.2 list 3 hrs
   - C: Mathematical Foundations (6 hrs)
     - 1 Prefer MGF 1106 Finite Mathematics 3 hrs
     - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
     - (may substitute a higher level math)
   - D: Social Foundations (6 hrs)
   - E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (28 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - MUT 1121 Music Theory and Musicianship I 4 hrs
   - MUT 1122 Music Theory and Musicianship II 4 hrs
   - MUT 2126 Music Theory and Musicianship III 4 hrs
   - MUT 2127 Music Theory and Musicianship IV 4 hrs
   - MVK 1111 Class Piano I 1 hr
   - MVK 1112 Class Piano II 1 hr
   - MVK 2121 Class Piano III 1 hr
   - MVK 2122 Class Piano IV 1 hr
   - MUN XXXX Ensembles 4 hrs
   - MVX XXXX Performance 4 hrs

3. Core Requirements: Basic Level (6 hrs)
   - 1 MUS 1010 Music Forum 0 hrs
   - MUL 2014 Introduction to Music History and Literature 3 hrs
   - MUS 2360C Introduction to Music Technology 3 hrs

4. Core Requirements: Advanced Level (3 hrs)
   - MUH 3211 Music History and Literature I 3 hrs
   - MUH 3212 Music History and Literature II GEP

5. Restricted Electives-Music (33 hrs)
   - Restricted Electives-Music
     - Choose from any MUT 3XXX or 4XXX (No more than 6 of these credits can be taken as MUN courses.)
     - Choose one MUT 3XXX or MUT 4XXX course 3 hrs
   - Restricted Electives-Non-Music 18 hrs
     - Select, with the approval of the Academic Advisor, primarily from upper-level courses that form a coherent progression within a single or two related departments. The completion of a minor is strongly encouraged.

6. Capstone Requirements
   - MUS 4900 Music BA Capstone Project 3 hrs

7. Foreign Language Requirements
   - Admissions
     - Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - Proficiency equivalent to two semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
   - Select primarily from upper-level courses

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each Music course

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Theatre
- Theatre - Musical Theatre Track

Certificates
- None

Related Minors
- Music
- Theatre

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- None
Plan of Study

- Example given shows a student majoring in B.A. in Music. See program description for all requirements. Consult the program advisor for alternate, new, or more appropriate selections.

**Freshman Year - Fall** 17 hrs
- ENC 1101 Composition I 3 hrs
- MUT 1121 Music Theory and Musicianship I 4 hrs
- MVK 1111 Class Piano I 1 hr
- MUS 1010 Music Forum 0 hrs
- MUL 2104 Introduction to Music History and Literature 3 hrs
- MUN XXXX Ensemble 1 hr
- MVX 141X Performance I 2 hrs
- GEP E.1 Science Foundation 3 hrs

**Sophomore Year - Fall** 16 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- MUT 2126 Music Theory and Musicianship III 4 hrs
- MVK 2121 Class Piano III 1 hr
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- MUS 1010 Music Forum 0 hrs
- MUN XXXX Ensemble 1 hr
- XXX 1120 Foreign Language 4 hrs

**Junior Year - Fall** 15 hrs
- MUH 3211 Music History and Literature I 3 hrs
- GEP B.2 Cultural & Historical Foundation 3 hrs
- MUT 3/4XXX Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

**Senior Year - Fall** 15 hrs
- GEP D.1 Social Foundation 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs
- MUX 3/4XXX Music Restricted Elective 3 hrs
- XXX 3/4XXX Non-Music Restricted Elective 3 hrs

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Music - Jazz Studies Track (B.M.)**

**College of Arts and Humanities**

**Department of Music, Colbourn Hall, Room: 205**

http://www.music.cah.ucf.edu

E-mail: musiccau@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/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 Entrance Review, which will include:
  - An evaluation of performance skills
  - Completion of Performance level I and II
  - Class Piano level III
  - Completion of MUT 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Completion of Jazz Theory I & II
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0

- This review is a prerequisite for Performance level III.

**Degree Requirements**

- Prior to attending the first class as a music major at UCF, all students must take a keyboard placement examination to determine the appropriate level of class piano. Go to http://music.ucf.edu/ to see the class piano requirements.
- Students who change degree programs and select this major must adopt the most current catalog.
- At least 65 hours of credit must be earned in music courses.
- Departmental Residency Requirement; at least 30 hours must be taken from the UCF Music department.
- Performance students must present two faculty-approved public recitals.
- Students should contact 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:**

- Required ENC 1101 Composition I and II 3 hrs
- Required ENC 1102 Composition II 3 hrs

**B: Cultural & Historical Foundations** 9 hrs

- Required MUL 2104 Evolution of Jazz 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

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.

- MUL 1121 Music Theory and Musicianship I 4 hrs
- MUL 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
1 MUN 3713 Jazz Lab  1 hr
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

Four semesters for total 4 hrs

3. Core Requirements: Basic Level  (6 hrs)
MUL 2014  Introduction to Music History and Literature  3 hrs
MUS 2360C  Introduction to Music Technology  3 hrs
1 MUS 1010  Music Forum  0 hrs
MUL 2016  Evolution of Jazz  3 hrs

Eight semesters

4. Core Requirements: Advanced Level  (27 hrs)
MUT 3170  Jazz Theory I  3 hrs
MUT 3171  Jazz Theory II  3 hrs
1 MUT 3923  Jazz Workshop  3 hrs
MUS 4320  Music Business and Industry  3 hrs
MUH 4814  Jazz Styles and Analysis  3 hrs
MUS 4894  Recital Performance II  0 hrs

Select 1:
MUH 3211  Music History and Literature I or  3 hrs
MUH 3212  Music History and Literature II  3 hrs

Four semesters for total 12 hrs

Specialty Requirements (Choose one):  27 hrs
- All courses are taken for two semesters each except restricted elective courses

Trumpet  15 hrs
MV B 1411  Trumpet I and  2 hrs
MV B 2421  Trumpet II and  2 hrs
MV B 3431  Trumpet III and  2 hrs
MV B 4441  Trumpet IV and  4 hrs
Restricted Electives  5 hrs

Trombone  15 hrs
MV B 1413  Trombone I and  2 hrs
MV B 2423  Trombone II and  2 hrs
MV B 3433  Trombone III and  2 hrs
MV B 4443  Trombone IV and  4 hrs
Restricted Electives  5 hrs

Saxophone  15 hrs
M V W 1415  Saxophone I and  2 hrs
M V W 2425  Saxophone II and  2 hrs
M V W 3435  Saxophone III and  2 hrs
M V W 4445  Saxophone IV and  4 hrs
Restricted Electives  5 hrs

Jazz Piano  15 hrs
MV J 1010  Jazz Piano I and  2 hrs
MV J 2220  Jazz Piano II and  2 hrs
MV J 3230  Jazz Piano III and  3 hrs
MV J 4240  Jazz Piano IV and  4 hrs
MV K 1211  Secondary Piano and  1 hr
Restricted Electives  3 hrs

Jazz Bass  15 hrs
MV J 1214  Jazz Bass I and  2 hrs
MV J 2224  Jazz Bass II and  2 hrs
MV J 3234  Jazz Bass III and  3 hrs
MV J 4244  Jazz Bass IV and  4 hrs
M V S 1214  Secondary Bass and  1 hr
Restricted Electives  3 hrs

Jazz Guitar  15 hrs
MV J 1213  Jazz Guitar I and  2 hrs
MV J 2223  Jazz Guitar II and  2 hrs
MV J 3233  Jazz Guitar III and  3 hrs
MV J 4243  Jazz Guitar IV and  4 hrs
M V S 1216  Secondary Guitar and  1 hr
Restricted Electives  3 hrs

Jazz Drum Set  15 hrs
MV J 1219  Jazz Drum Set I and  2 hrs
MV J 2229  Jazz Drum Set II and  2 hrs
MV J 3339  Jazz Drum Set III and  3 hrs
MV J 4349  Jazz Drum Set IV and  4 hrs
M V P 1211  Secondary Percussion and  1 hr
Restricted Electives  3 hrs

5. Restricted Electives
- Any secondary performance course not in area of major instrument or
e- 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 resi-
dency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit
by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the
CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required  120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre

Certificates
- None

Related Minors
- Music
- Theatre
- Digital Media

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges do not substitute for Upper
Division courses.
- Courses transferred from private and out-of-state schools must be
evaluated for equivalency credit. The student must provide all supporting
information.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Program A: Jazz Trumpet, Trombone, Saxophone

Freshman Year - Fall  14 hrs
ENC 1101  Composition I  3 hrs
MUT 1121  Music Theory and Musicianship I  4 hrs
MUN 3713  Jazz Lab  1 hr
MV K 1111  Class Piano I  1 hr
M U S 1010  Music Forum  0 hrs
MUL 2014  Introduction to Music History and Literature  3 hrs
MV X 141X  Performance I  2 hrs

Freshman Year - Spring  17 hrs
ENC 1102  Composition II  3 hrs
MUT 1122  Music Theory and Musicianship II  4 hrs
UCF Degree Programs

Program B: Jazz Piano, Guitar, Bass, Drum Set

Freshman Year - Fall 15 hrs
ENC 1101 Composition I 3 hrs
MUT 1121 Music Theory and Musichship I 4 hrs
MUN 3715 Jazz Lab 1 hr
MVK 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MVX 1XXX Performance I 2 hrs
MVX 121X Secondary Performance 1 hr

Sophomore Year - Fall 17 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MUT 2126 Music Theory and Musichship III 4 hrs
MVK 2121 Class Piano III 1 hr
MUT 3170 Jazz Theory I 3 hrs
MUS 1010 Music Forum 0 hrs
MGF 1106 Finite Mathematics 3 hrs
MVX 20XX Performance II 2 hrs

Sophomore Year - Spring 14 hrs
MUT 2127 Music Theory and Musichship IV 4 hrs
MVK 2122 Class Piano IV 1 hr
MUT 3171 Jazz Theory II 3 hrs
MUS 1010 Music Forum 0 hrs
Cultural & Historical Foundation 3 hrs
MVX 242X Performance II 2 hrs
Professional Sequence Entrance Review

Junior Year - Fall 13 hrs
MUT 3923 Jazz Workshop 3 hrs
MUS 1010 Music Forum 0 hrs
Cultural & Historical Foundation 3 hrs
MVX 3XXX Performance III 3 hrs
MUS 3953 Recital Performance I 0 hrs
MVX 3XXX Performance III 3 hrs
Science Foundation 3 hrs

Junior Year - Spring 15 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
MUH 3211 Music History and Literature I 3 hrs
MUT 3923 Jazz Workshop 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 3923 Jazz Workshop 3 hrs
MVX 3XXX Performance IV 3 hrs
MVX 4XXX Performance IV 1 hr
Science Foundation 3 hrs

Senior Year - Fall 16 hrs
MUS 1010 Music Forum 0 hrs
MUT 3923 Jazz Workshop 3 hrs
MUH 4814 Jazz Styles and Analysis 3 hrs
SociaI Foundation 3 hrs
MVX 4XXX Performance IV 3 hrs
MVX 4XXX Secondary Performance 1 hr

Senior Year - Spring 13 hrs
MUS 1010 Music Forum 0 hrs
MUT 3923 Jazz Workshop 3 hrs
MUT 4320 Music Business and Industry 3 hrs
MUS 4954 Recital Performance II 0 hrs
MVX 4XXX Performance IV 4 hrs
GEP D.2 Social Foundation 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Music - Music Composition Track (B.M.)
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
K. Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements
Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/admissionsauditions.php 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 BME degree or the Bachelor of Music in Performance or Jazz Studies for their first two years of study. Students will normally be considered for acceptance into the Bachelor of Music in Composition in the fourth semester of study at UCF. Students will be accepted based on the Professional Sequence Entrance Review.
- Students will be required to pass this evaluation before entering Level III Composition. This review will include:
  - Approval of composition portfolio
  - Completion of Composition I and II
  - Completion of Performance I and II
  - Completion of MUS 2360C
  - Completion of MUS 2127, Music Theory and Musicianship IV
  - Completion of Class Piano IV
  - Overall GPA of at least 2.5, and a GPA for all music courses of at least 3.0.

This review is a pre-requisite for Composition level III.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- At least 60 hours of credit must be earned in music courses.
- Departmental Residency Requirement: at least 30 hours must be taken from the UCF Music department.
- Composition students must present one faculty-approved public recital.
- Students should consult with a departmental advisor for course selection.
- Courses designated in 1 (General Education Program) are usually completed throughout four years of study.

1. UCF General Education Program (GEP) (36 hrs)
   - (see General Education program for detailed information)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MUH 3212 Music History and Literature II 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.2 list 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs
- Prefer STA 1080C Basic Statistics Using Microsoft Excel 3 hrs
- 1 Two semesters for total 6 hrs

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 1111 Class Piano I 1 hr
MVK 1112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr
MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3483 4 hrs
MUN 141X Performance I (two semesters) 4 hrs
MUN 242X Performance II (two semesters) 4 hrs

3. Core Requirements: Basic Level (20 hrs)

MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUC 1101C Composition I 2 hrs
MUC 2104C Composition II 2 hrs
MUS 1010 Music Forum 0 hrs
MUG 3104 Music History and Literature I 3 hrs
MUG 3122 Music History and Literature II GEP 3 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3483) 2 hrs

4. Core Requirements: Advanced Level (23 hrs)

Professional Sequence Requirements:
- 1 MUC 3105C Composition III 3 hrs
- 2 MUC 4106C Composition IV 4 hrs
- MUT 4401 Counterpoint 3 hrs
- MUT 4311 Orchestration 3 hrs
- MUC 4950 Composition Recital 0 hrs
One course selected from MUC/MUH/MUS/MUT, 3000 level or above
- 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, MUN, MUS, 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
   - None

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
   - None

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Earn a grade of “C” (2.0) or better in each Music course.
    - Computer Competency met by the following or departmental examination:
      - MUS 2360C Introduction to Music Technology 3 hrs

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Music Education
- Music
- Theatre
Senior Year - Spring 13 hrs
MUC 4106C Composition IV 4 hrs
MUT 4401 Counterpoint 3 hrs
MUS 1010 Music Forum 0 hrs
MUC 4950 Composition Recital 0 hrs
Social Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.o eas.ucf.edu/aic/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, Performing Arts Center, Room: M203
http://www.music.cah.ucf.edu/
E-mail: musicaud@mail.ucf.edu
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Admission Requirements
Audition Requirements for Admission
- Acceptance into the Department of Music is conditional upon completion of a successful audition. Go to http://www.music.ucf.edu/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:
  - 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: MUC 3204C "Music History and Literature" 3 hrs
  - MUS 1010 "Music Forum" 0 hrs
  - MUS XXXX "Major Ensemble" 1 hr
  - MVX 242X "Performance I" 2 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
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<tr>
<td>MUC 3212 Music History and Literature II</td>
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<td>MUT 3212</td>
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<tr>
<td>MUS 1010</td>
<td>0 hrs</td>
</tr>
<tr>
<td>MUX 3/4XXX Restricted Electives</td>
<td>3 hrs</td>
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</table>

Senior Year - Fall 13 hrs
MUC 4106C Composition IV 4 hrs
MUT 4401 Counterpoint 3 hrs
MUS 1010 Music Forum 0 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
MUX 3/4XXX Restricted Electives 3 hrs

Take all of the following:
- Required ENC 1101 Composition I and II 6 hrs
- Required ENC 1102 Composition I and 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)
1 Prefer MGF 1106 Finite Mathematics 3 hrs
Prefer STA 1000C Basic Statistics Using Microsoft Excel 3 hrs
1 (May substitute a higher level math)

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (32 hrs)

E: Science Foundations (6 hrs)


1 See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

MUT 1121 Music Theory and Musicianship I 4 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUT 2127 Music Theory and Musicianship IV 4 hrs
MVK 1111 Class Piano I 1 hr
MVK 1112 Class Piano II 1 hr
MVK 2121 Class Piano III 1 hr
MVK 2122 Class Piano IV 1 hr
MUN XXXX Major Ensemble (four semesters) Piano students take MUN 3453; guitar students take MUN 3484 4 hrs
MVX 141X Performance I (2 semesters) 4 hrs
MVX 242X Performance II (2 semesters) 4 hrs

3. Core Requirements: Basic Level (6 hrs)

MUL 2014 Introduction to Music History and Literature 3 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MUS 1010 Music Forum 0 hrs

4. Core Requirements: Advanced Level (24 hrs)

MUS 3953 Recital Performance I 0 hrs
MUS 4094 Recital Performance II 0 hrs
MUG 3104 Basic Conducting 2 hrs
MUH 3211 Music History and Literature I 3 hrs
MUH 3212 Music History and Literature II GEP 3 hrs
MUT 343X Performance I (2 Semesters) 8 hrs
MUT 344X Performance II (2 Semesters) 8 hrs
MUN XXXX Major Ensembles (Piano students take MUN 3453; guitar students take MUN 3484) 8 hrs
Choose one MUS 3XXX or MUT 4XXX course 3 hrs

Specialty Requirements (Choose One)

Piano

MUL 3400 Piano Literature I and 2 hrs
MUL 3401 Piano Literature I and 2 hrs
MVP 4640 Piano Pedagogy I and 2 hrs
MUN 3453 Piano Ensemble and 1 hr
M VP 3453 Piano Ensemble and 1 hr
Restricted Electives and 9 hrs
Electives 5 hrs

Guitar

MUL 4437 String Literature and Pedagogy and 3 hrs
MUN 3487 Guitar Ensemble and 1 hr
Restricted Electives and 12 hrs
Electives 5 hrs

Voice

MUS 1250 IPA for Singers and 1 hr
MUS 3255 German and English Lyric Diction and 2 hrs
MUS 3254 Italian and French Lyric Diction and 2 hrs
MVP 4640 Voice Pedagogy and 2 hrs
MUL 3602 Song Literature and 3 hrs
MUN XXXX Major Ensembles and 2 hrs
MUN XXXX Minor Ensembles and 2 hrs
Foreign Language (French, German, or Italian) 8 hrs

Woodwinds

MUL 4444 Woodwind Literature and Pedagogy and 3 hrs
MUN XXXX Major Ensembles and 2 hrs
MUN XXXX Minor Ensembles and 4 hrs
Restricted Electives and 8 hrs
Electives 5 hrs

Brass

MUL 4443 Brass Literature and Pedagogy and 3 hrs
MUN XXXX Major Ensembles and 2 hrs

MUN XXXX Minor Ensembles and 2 hrs

 Restricted Electives and 8 hrs
Electives 5 hrs

Strings

MUL 4437 String Literature and Pedagogy and 3 hrs
MUN XXXX Major Ensembles and 2 hrs
MUN XXXX Minor Ensembles and 4 hrs
Restricted Electives and 8 hrs
Electives 5 hrs

1 This course is taken twice.

5. Restricted Electives

Graduation

None

8. Electives

Major Ensemble Participation

If Minor Ensemble is taken at UCF, the semester hours of credit must be spread over at least two separate semesters.

Minor Ensemble Participation

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.

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

120

Honors In Major

None
# UCF Degree Programs

## Related Programs
- Music Education
- Music
- Theatre - Musical Theatre Track

## Certificates
- None

## Related Minors
- Music
- Theatre
- Digital Media

## Advising Notes
- None

## Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

## Acceptable Substitutes for Transfer Courses
- None

## Plan of Study
- Program A: Strings, Woodwinds, Brass
- Program B: Percussion

## Freshman Year - Fall
<table>
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<th>Course</th>
<th>Credits</th>
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<tr>
<td>ENC 1101 Composition I</td>
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<td>MVP 1111 Class Piano I</td>
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<td>MVX 141X Performance I</td>
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<td>Science Foundation</td>
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## Sophomore Year - Fall
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<td>STA 1060C Basic Statistics Using Microsoft Excel</td>
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<td>MVX 242X Performance II</td>
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## Junior Year - Fall
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<tr>
<td>MUN XXXX Minor Ensemble</td>
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## Junior Year - Spring
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<tr>
<td>MUH 3212 Music History and Literature II</td>
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<td>MUL 44XX Literature and Pedagogy</td>
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<td>MVX 343X Performance III</td>
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## Senior Year - Fall
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<tr>
<td>MUS 1010 Music Forum</td>
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<td>Social Foundation</td>
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<tr>
<td>MVX 444X Performance IV</td>
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<tr>
<td>Science Foundation</td>
<td>3 hrs</td>
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<tr>
<td>MUN XXXX Major Ensemble</td>
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<td>MUN 3XXX Restricted Elective</td>
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## Senior Year - Spring
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<td>MVX 444X Performance IV</td>
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## Program B: Percussion

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<td>MUL 2014 Introduction to Music History and Literature</td>
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### Freshman Year - Spring
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### Sophomore Year - Fall
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
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### Sophomore Year - Spring
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<tr>
<td>SPC 1608 Fundamentals of Oral Communication</td>
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<td>MUT 2126 Music Theory and Musicanship III</td>
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## Junior Year - Fall
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<td>MUT 4571 Analysis of Twentieth-Century Music</td>
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<td>MUN XXXX Major Ensemble</td>
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## Junior Year - Spring
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<tr>
<td>MUH 3212 Music History and Literature II</td>
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Program D: Guitar

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<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Freshman Year</td>
<td>Fall</td>
<td>ENC 1101 - Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUN 1121 - Music Theory and Musicianship I</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUN 3487 - Guitar Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MVS 1416 - Guitar I</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MVK 1112 - Class Piano II</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUS 1010 - Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUS 2360C - Introduction to Music Technology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Sophomore Year</td>
<td>Fall</td>
<td>SPC 1608 - Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUN 3487 - Guitar Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MVS 2426 - Guitar II</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MVK 2121 - Class Piano III</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUS 1010 - Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUG 3104 - Basic Conducting</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STA 1060C - Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
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<tr>
<td></td>
<td></td>
<td>MVK 2421 - Piano II</td>
<td>2 hrs</td>
</tr>
<tr>
<td>Junior Year</td>
<td>Fall</td>
<td>MUN 3436 - Guitar III</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUS 1010 - Music Forum</td>
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<tr>
<td></td>
<td></td>
<td>MUS 3953 - Recital Performance I</td>
<td>0 hrs</td>
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<tr>
<td></td>
<td></td>
<td>MVK 3431 - Piano I</td>
<td>2 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MVK 4441 - Piano IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td>Senior Year</td>
<td>Fall</td>
<td>MUS 1010 - Music Forum</td>
<td>0 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MUS 3453 - Piano Ensemble</td>
<td>1 hr</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MVK 4441 - Piano IV</td>
<td>4 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Social Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science Foundation</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Free Elective</td>
<td>2 hrs</td>
</tr>
</tbody>
</table>
UCF Degree Programs

Program E: Voice

Freshman Year - Fall
ENC 1101 Composition I 3 hrs
MUT 1122 Music Theory and Musicianship I 4 hrs
MUS 1260 IPA for Singers 1 hr
MKV 1111 Class Piano I 1 hr
MUS 1010 Music Forum 0 hrs
MUL 2014 Introduction to Music History and Literature 3 hrs
MVV 1411 Voice I 2 hrs
MUN XXXX Major Ensemble 1 hr

Freshman Year - Spring
ENC 1102 Composition II 3 hrs
MUT 1122 Music Theory and Musicianship II 4 hrs
MUS 3255 German and English Lyric Diction 2 hrs
MKV 1112 Class Piano II 1 hr
MUS 1010 Music Forum 0 hrs
MUS 2360C Introduction to Music Technology 3 hrs
MVV 1411 Voice I 2 hrs
MUN XXXX Major Ensemble 1 hr

Sophomore Year - Fall
MGF 1106 Finite Mathematics 3 hrs
MUT 2126 Music Theory and Musicianship III 4 hrs
MUS 3254 Italian and French Lyric Diction 2 hrs
MKV 2121 Class Piano III 1 hr
MUS 1010 Music Forum 0 hrs
MUG 3104 Basic Conducting 2 hrs
MVV 2421 Voice II 2 hrs
MUN XXXX Major Ensemble 1 hr
Sophomore Year - Spring
MUT 2127 Music Theory and Musicianship IV 4 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
MKV 2122 Class Piano IV 1 hr
MUS 1010 Music Forum 0 hrs
STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
MVV 2421 Voice II 2 hrs
Cultural & Historical Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr

Junior Year - Fall
MUH 3211 Music History and Literature I 3 hrs
MUS 1010 Music Forum 0 hrs
MUT 4571 Analysis of Twentieth-Century Music 3 hrs
MVV 3431 Voice III 2 hrs
XXX 1120 Foreign Language 4 hrs
MUN XXXX Major Ensemble 1 hr
MUN XXXX Minor Ensemble 1 hr

Junior Year - Spring
MUH 3212 Music History and Literature II 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 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
MVV 4640 Voice Pedagogy 2 hrs
MUS 1010 Music Forum 0 hrs
MVV 4441 Voice IV 4 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
MUN XXXX Major Ensemble 1 hr

Senior Year - Spring
MUL 3002 Song Literature 3 hrs
MUS 1010 Music Forum 0 hrs
MUS 4954 Recital Performance II 0 hrs
MVV 4441 Voice IV 4 hrs
Social Foundation 3 hrs
Science Foundation 3 hrs
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
A. Holcomb, aholcomb@mail.ucf.edu, 407-823-4180

Admission Requirements
- Audition. To be accepted in to Music Education, a student must demonstrate advanced proficiency by performing compositions representing a variety of musical periods (baroque, classical, romantic, contemporary).
  - Memorization is required for pianists and vocalists.
  - Accompanists are provided for vocalists only.
  - Each candidate must bring his/her own audition music.
  - The department will only provide large instruments such as a tuba, string, bass, or timpani for these auditions.
  - The audition will serve as a placement exam for accepted candidates.
  - Refer to the UCF Music Department website for specific audition requirements.

- Prior to attending the first music class as a music major at UCF, all students will take a keyboard placement examination to determine the appropriate level of class piano.
- Interview. In addition to a performance audition, students must successfully complete an interview with Music Education faculty.

Admission Requirements - Professional Program
- Application into the Professional Program must be made at the conclusion of 45 hours of course work. Students must complete a formal application for the Professional Program.  (Deadlines: February 15 for Fall semester admission and September 15 for Spring semester admission).
- Transfers may be admitted on an individual basis at the discretion of the Music Education faculty. To apply for the Music Education Professional Program, students must:
  - Complete 45 hours of coursework including: 15 hours of General Education Program courses, EDF 205, MUT 2126, first semester of Performance II.
  - Have a minimum overall GPA of 2.5 and a grade of “C” (2.0) or better in each performance, education, and music education course.
  - Have on file in the University admissions office passing scores on the General Knowledge Test of the Florida Teacher Competency Examination.
  - Provide satisfactory documentation and reflection on 15 hours of field experiences (See Music Education Coordinator for more information).

To be accepted into the Music Education Professional Program students must:
- Demonstrate proficiency with aural skills (including the ability to match pitch with the voice) and communication skills (including the ability to write and speak effectively).
- Complete MVK 2122, MUT 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-5.5.066, Approval of Pre-service Teacher Preparation Programs.

Degree Requirements
- None
## UCF Degree Programs

### 1. UCF General Education Program (GEP)

- **(36 hrs)**

<table>
<thead>
<tr>
<th>A: Communication Foundations</th>
<th><strong>(9 hrs)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer SPC 1608: Fundamentals of Oral Communication</td>
<td></td>
</tr>
</tbody>
</table>

**Take all of the following:**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th><strong>6 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 1101: Composition I and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ENC 1102: Composition II</td>
<td>3 hrs</td>
</tr>
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</table>

### B: Cultural & Historical Foundations

- **(9 hrs)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th><strong>3 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUH 3212: Music History and Literature I</td>
<td></td>
</tr>
<tr>
<td>MUS 1001: U.S. History: 1492-1877</td>
<td></td>
</tr>
<tr>
<td>MUS 2001: U.S. History: 1877-Present</td>
<td></td>
</tr>
</tbody>
</table>

### C: Mathematical Foundations

- **(6 hrs)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th><strong>3 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MGF 1106: Finite Mathematics</td>
<td></td>
</tr>
<tr>
<td>STA 1000C: Basic Statistics Using Excel</td>
<td></td>
</tr>
</tbody>
</table>

1. (may substitute a higher level math)

### D: Social Foundations

- **(6 hrs)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th><strong>3 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>POS 2041: American National Government</td>
<td></td>
</tr>
<tr>
<td>PSY 2012: General Psychology</td>
<td></td>
</tr>
</tbody>
</table>

### E: Science Foundations

- **(6 hrs)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th><strong>3 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 1121: Physical Science</td>
<td></td>
</tr>
</tbody>
</table>

### 2. Common Program Prerequisites (CPP)

- **(38 hrs)**

**See *Common Prerequisites* in the Transfer and Transitions Services section for more information.**

<table>
<thead>
<tr>
<th>Courses</th>
<th><strong>3 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>EDF 2005: Introduction to the Teaching Profession</td>
<td></td>
</tr>
<tr>
<td>EME 2040: Introduction to Technology for Educators</td>
<td></td>
</tr>
<tr>
<td>EDF 2085: Introduction to Diversity for Educators</td>
<td></td>
</tr>
<tr>
<td>MUS 1121: Music Theory and Musicianship I</td>
<td></td>
</tr>
<tr>
<td>MUS 1122: Music Theory and Musicianship II</td>
<td></td>
</tr>
<tr>
<td>MUS 2123: Music Theory and Musicianship III</td>
<td></td>
</tr>
<tr>
<td>MUS 2124: Music Theory and Musicianship IV</td>
<td></td>
</tr>
<tr>
<td>MVK 2122: Piano Performance I</td>
<td></td>
</tr>
<tr>
<td>MGF 1106: Finite Mathematics</td>
<td></td>
</tr>
<tr>
<td>STA 1000C: Basic Statistics Using Excel</td>
<td></td>
</tr>
</tbody>
</table>

### 3. Core Requirements: Basic Level

- **(5 hrs)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th><strong>3 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 1010: Music Forum</td>
<td></td>
</tr>
<tr>
<td>MUS 1121: Music Theory and Musicianship I</td>
<td></td>
</tr>
<tr>
<td>MUS 2123: Music Theory and Musicianship III</td>
<td></td>
</tr>
<tr>
<td>MVK 2122: Piano Performance I</td>
<td></td>
</tr>
<tr>
<td>MUS XXXX Major Ensembles (4 semesters)</td>
<td></td>
</tr>
<tr>
<td>MVX 242X Performance (2 semesters)</td>
<td></td>
</tr>
</tbody>
</table>

### 4. Core Requirements: Advanced Level

- **(20 hrs)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th><strong>3 hrs</strong></th>
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</thead>
<tbody>
<tr>
<td>MUG 3104: Basic Conducting</td>
<td></td>
</tr>
<tr>
<td>MUH 3211: Music History and Literature I</td>
<td></td>
</tr>
<tr>
<td>MUH 3212: Music History and Literature II</td>
<td></td>
</tr>
<tr>
<td>ESE 3940: Internship I - Secondary</td>
<td></td>
</tr>
<tr>
<td>MUG 3X02: Elementary School Music Methods</td>
<td></td>
</tr>
<tr>
<td>MUE 3333: Music Learning Theory and Assessment</td>
<td></td>
</tr>
<tr>
<td>MVX 343X: Performance III (2 Semesters)</td>
<td></td>
</tr>
</tbody>
</table>

### Music Education Prerequisites - Advanced

- **(17 hrs)**

<table>
<thead>
<tr>
<th>Required Courses</th>
<th><strong>2 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUG 3104: Basic Conducting</td>
<td></td>
</tr>
<tr>
<td>MUH 3211: Music History and Literature I</td>
<td></td>
</tr>
<tr>
<td>MUH 3212: Music History and Literature II</td>
<td></td>
</tr>
<tr>
<td>ESE 3940: Internship I - Secondary</td>
<td></td>
</tr>
<tr>
<td>MUG 3X02: Elementary School Music Methods</td>
<td></td>
</tr>
<tr>
<td>MUE 3333: Music Learning Theory and Assessment</td>
<td></td>
</tr>
<tr>
<td>MVX 343X: Performance III (2 Semesters)</td>
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### Education Core

- **(12 hrs)**

<table>
<thead>
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<th>Required Courses</th>
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</thead>
<tbody>
<tr>
<td>EDS 4410: Teaching Strategies and Classroom Management</td>
<td></td>
</tr>
<tr>
<td>TSL 4080: Theory and Practice of Teaching ESOL Students in Schools</td>
<td></td>
</tr>
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</table>

### 5. Restricted Electives

- **(26 hrs)**

<table>
<thead>
<tr>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>EDF 4603: Analysis and Application of Ethical, Legal, and Safety Issues in Schools</td>
<td></td>
</tr>
<tr>
<td>RED 4043: Content Reading in Kindergarten through Grade 12</td>
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</table>

### Program A - Instrumental

- **(1 hr)**

<table>
<thead>
<tr>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>MUE 2346: Vocal Techniques</td>
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</tr>
<tr>
<td>MUG 3302: Instrumental Conducting and Materials</td>
<td></td>
</tr>
<tr>
<td>MUE 4332: Secondary Instrumental Methods I</td>
<td></td>
</tr>
<tr>
<td>ESE 4943: Internship II - Secondary</td>
<td></td>
</tr>
<tr>
<td>MUE 4394: Seminar in Music Teaching</td>
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</tr>
</tbody>
</table>

### Program B - Choral

- **(1 hr)**

<table>
<thead>
<tr>
<th>Courses</th>
<th><strong>1 hr</strong></th>
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</thead>
<tbody>
<tr>
<td>MUS 1250: IPA for Singers</td>
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<tr>
<td>MUG 3202: Choral Conducting and Materials</td>
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<tr>
<td>MVV 4640: Voice Pedagogy</td>
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</tr>
<tr>
<td>MUE 4331: Secondary Choral Methods I</td>
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</tr>
<tr>
<td>MUE 4337: Secondary Instrumental Methods II</td>
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<tr>
<td>MUE 4394: Seminar in Music Teaching</td>
<td></td>
</tr>
<tr>
<td>ESE 4943: Internship II - Secondary</td>
<td></td>
</tr>
<tr>
<td>MUE 4943: Music Internship</td>
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<tr>
<td>MUE 4335: Secondary Choral Methods II</td>
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</table>

### Program C - Elementary School

- **(1 hr)**

<table>
<thead>
<tr>
<th>Courses</th>
<th><strong>1 hr</strong></th>
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</thead>
<tbody>
<tr>
<td>MUE 2346: Vocal Techniques</td>
<td></td>
</tr>
<tr>
<td>MUE 4393: Music and Students with Special Needs</td>
<td></td>
</tr>
<tr>
<td>MUE 3553: General Music Literature and Techniques</td>
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</tr>
<tr>
<td>MUE 4331: Secondary Choral Methods II</td>
<td></td>
</tr>
<tr>
<td>MUE 4394: Seminar in Music Teaching</td>
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</tbody>
</table>

### Program D - Secondary Instrumental Conducting and Materials

- **(2 hrs)**

<table>
<thead>
<tr>
<th>Courses</th>
<th><strong>2 hrs</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>MUE 4394: Seminar in Music Teaching</td>
<td></td>
</tr>
<tr>
<td>MUE 3X02: Choral or Instrumental Conducting and Materials</td>
<td></td>
</tr>
</tbody>
</table>

### 6. Capstone Requirements

- None

### 7. Foreign Language Requirements

- Two years of foreign language in high school or one year of foreign language in college (or equivalent proficiency exam) prior to graduation.
9. Additional Requirements

Admission to Internship I will be granted to students who meet the following requirements:

- Have on file passing scores on all 4 parts of the Florida Teacher Certification General Knowledge Test (no alternatives or waivers will be accepted).
- Possess minimum overall GPA of 2.5
- Possess minimum specialization GPA of 2.5
- Achieve a "C" or better in all prerequisite methods/specialization courses
- Complete a formal application for Internship I online (Deadlines: February 15 for fall semester and September 15 for spring semester).
- Current enrollment in or completion of Performance III (first semester).
- Completion of Music Education prerequisites and Education Core Requirements.
- Completion of 30 semester hours of General Education and Common Program courses.
- Completion of all Specialty Area courses except Secondary Methods II (MUE 433X), Seminar in Music Teaching (MUE 4394) and Internship II (ES 4943).
- Possess minimum professional preparation GPA of 2.5
- Internship I: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator. During the semester, students spend two full days per week (Tuesday and Thursday) in assigned schools with half the time in an Elementary setting and half in a Secondary school setting. Students are expected to provide their own transportation to assigned locations.

Admission to Internship II will be granted to students who meet the following requirements:

- Completion of all admission requirements for Internship I (see above).
- Completion of Performance III and any associated recital (students may not perform a recital during Internship II).
- Completion of all music methods and techniques courses.
- Completion of all General Education and Common Program courses.
- Internship II: Students are assigned to a school with certified Supervising Teachers under the direction of a University Coordinator five days a week for the entire semester, normally during the student’s last semester. Students are permitted to enroll in other classes only with the consent of the departmental advisor. Students are expected to provide their own transportation to assigned locations.

Special Non-Course Requirements

- Note: Contact the Music Education Advisor for details.
- Students should register to take the General Knowledge Test of the Florida Teacher Certification Examination (FTCE) before the third semester of enrollment at UCF. (See http://www.fl.nesinc.com/ for test information).
- Electronic Portfolio: Students will develop an electronic portfolio while enrolled in upper division education courses and internship. The portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices. Consult with the Music Education Advisor for specific information regarding portfolio construction.

Ensemble Participation

- Selected from University Chorus, Women’s Chorus, Symphony Orchestra, Concert Band, and Wind Ensemble. Four hours of Jazz Lab or one hour of Marching Band may be used to fulfill Major Ensemble requirements.
- Students whose primary instrument is a wind instrument must audition for Wind Ensemble whenever it is offered.
- Ensemble assignment is by the Ensemble directors in consultation with the applied faculty.
- Transfer students must take Major Ensemble during each of their remaining semesters, except when enrolled in Internship II.
- Native UCF students must take each Major Ensemble credit in separate semesters.

- Students enrolled in a Performance course must concurrently enrolled in an appropriate major ensemble if accepted.
- Recitals
  - Students must complete a faculty-approved public recital (optional for students in the Elementary School Music Specialization). Recitals are normally performed while concurrently enrolled in the second semester of Performance III.

CMENC Membership

- Active participation in CMENC is expected. Students are expected to maintain a record of participation at CMENC events. In addition, students are expected to document attendance at any event that promotes development as a music educator (e.g., music or music education conferences, workshops).

Music Education Forums

- Attendance at all Music Education Forums (except during Internship I and II) is expected

Public School Partnerships

- Students are expected to be in K-12 schools each semester. Prior to internship experiences, students are expected to observe, assist, and teach in variety of grade levels and settings (e.g., urban, suburban, general, choral, instrumental). Students are expected to maintain a record of and reflections on all field experiences as this will be required for the Music Education Proficiency Examination.

10. Required Minors

- None

11. Departmental Exit Requirements

- Have on file passing scores for the General Knowledge, Professional Education, and Subject Area subtests of the Florida Teacher Certification Examination. (See for specific test information)
- A minimum GPA of 2.5 is required in all courses within the major.
- A grade of "C" (2.0) or better in each performance and music education course.
- Departmental Residency Requirement: at least 25 hours must be taken from the UCF Music Department. In addition, music education students must complete their last two semesters of required performance, recital, and Internship II while attending UCF.
- Computer competency is met through the following: MUE 3693 Technology in Music Education 2 hrs

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 134

Honors In Major

- None

Related Programs

- Music
- Theatre

Certificates

- Florida Teaching Certification: Music K-12

Related Minors

- Music
- Theatre

Advising Notes

- Consult with the music education advisor for course selection

Transfer Notes

- Students transferring to UCF must pass an audition and interview in order to be accepted into the music education program (See Admissions Requirements above).
- Courses transferred to 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.
### UCF Degree Programs

#### Undergraduate Catalog 2011-2012

**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:

<table>
<thead>
<tr>
<th>Freshman Year - Fall</th>
<th>17 hrs</th>
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<tbody>
<tr>
<td>EDF 2005</td>
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<tr>
<td>MUN XXXX Ensemble</td>
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<td>GEP</td>
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<th>Program B - Choral Program K-12</th>
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</table>
### Junior Year - Fall
- **MUS 1010**: Music Forum (0 hrs)
- **MUG 3104**: Basic Conducting (2 hrs)
- **MUE 4331**: Secondary Choral Methods I (3 hrs)
- **EDG 4323**: Professional Teaching Practices (3 hrs)
- **EDF 4603**: Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- **MUV 4640**: Voice Pedagogy (2 hrs)
- **MVX 343X**: Performance III (2 hrs)
- **MUN XXXX**: Ensemble (1 hr)

**CMENC/Schools**

### Junior Year - Spring
- **MUS 1010**: Music Forum (0 hrs)
- **MUG 3104**: Basic Conducting (2 hrs)
- **MUE 4331**: Secondary Choral Methods I (3 hrs)
- **EDG 4323**: Professional Teaching Practices (3 hrs)
- **EDF 4603**: Analysis and Application of Ethical, Legal, and Safety Issues in Schools (3 hrs)
- **MVX 343X**: Performance III (2 hrs)
- **MUN XXXX**: Ensemble (1 hr)

**CMENC/Schools**

### Senior Year - Fall
- **MUS 1010**: Music Forum (0 hrs)
- **ESE 3940**: Internship I - Secondary (3 hrs)
- **MUE 3333**: Music Learning Theory and Assessment (3 hrs)
- **MUE 4331**: Secondary Choral Methods I (3 hrs)
- **EDG 4323**: Professional Teaching Practices (1 hr)
- **EDF 4603**: Analysis and Application of Ethical, Legal, and Safety Issues in Schools (1 hr)
- **MVX 343X**: Performance III (2 hrs)
- **MUN XXXX**: Ensemble (1 hr)

**CMENC/Schools**

### Senior Year - Spring
- **MUS 1010**: Music Forum (0 hrs)
- **ESE 4943**: Internship II - Secondary (7 hrs)
- **MUE 3353**: General Music Literature and Techniques (3 hrs)
- **RED 4043**: Content Reading in Kindergarten through Grade 12 (3 hrs)
- **MUS 3953**: Recital Performance I (0 hrs)
- **EME 2040**: Introduction to Technology for Educators (3 hrs)
- **MUS 2360C**: Introduction to Music Technology (3 hrs)
- **MUG 3X02**: Choral or Instrumental Conducting (2 hrs)

**CMENC/Schools**

### Senior Year - Summer
- **Remaining 3 GEP courses taken as part of 9 required summer hours**

### Program Academic Learning Compacts
- **Program Academic Learning Compacts (student learning outcomes)** for undergraduate programs are located at: [http://www.ops.ucf.edu/alc/academic_learning_compacts.htm](http://www.ops.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
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean, Undergraduate
Patricia Leli, Undergraduate Coordinator
407-823-2744

For individuals who are not Registered Nurses.
The College of Nursing has a demanding curriculum. The classes are work-intensive and courses include clinical practice in a variety of settings. Due to this, it is strongly recommended that students be at least one year post high school prior to applying to the basic nursing program. Students with concerns or questions should contact the College of Nursing Undergraduate Student Services Office for an appointment with a basic faculty advisor.
Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program
- Separate application to the limited access program must be made directly to the College of Nursing by the posted deadline. For application deadlines, please visit http://www.nursing.ucf.edu.
- 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 are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing. Failure to disclose related information on an application may negate the application.
- At least seven (7) of the eight (8) Common Program Prerequisites must be completed by the program application deadline. This includes 3 courses from Group A, and the remainder from Groups A or B.

Group A 9 hrs
- A minimum of three courses, with a grade of C (2.0) or better.
- May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits
- Microbiology with Lab 4 hrs
- Anatomy with Lab 4 hrs
- 1 CHM 1032 General Chemistry 3 hrs
- Physiology with Lab 4 hrs
- 1 or other approved Physical or Life Science

Group B 9 hrs
- A minimum of three courses, with grade of C (2.0) or better at time of application.
- All courses must be completed before program begins.
- Sociology or 3 hrs
- Psychology or 3 hrs
- Developmental Psychology 3 hrs
- Human Nutrition 3 hrs
- Statistics 3 hrs

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the Nursing Program.
- UCF Residency Requirement: 30 hours

1. UCF General Education Program (GEP) (38 hrs)
- Note: Certain courses must be selected in the GEP for this major, bringing the total GEP hours to more than 36. The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities, and should be completed in the first 60 hours.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)

1. Mathematics 3 hrs
- You may substitute a higher level math with appropriate scores on the Math Placement Test.
- Prefer MAC 1105C College Algebra 3 hrs

2. Statistics 3 hrs
- Required STA 2014C Principles of Statistics or 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

D: Social Foundations (6 hrs)

1. Economics/Political Science 3 hrs
- Prefer ECO 2013 Principles of Macroeconomics or 3 hrs
- Prefer ECO 2023 Principles of Microeconomics or 3 hrs
- Prefer POS 2041 American National Government 3 hrs

2. Social Sciences 3 hrs
- Prefer PSY 2012 General Psychology or 3 hrs
- Prefer SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (8 hrs)

1. Physical Sciences 3 hrs
- Suggested CHM 1032 General Chemistry 3 hrs

2. Life Sciences 4 hrs
- Required BSC 2010C Biology I 4 hrs

2. Common Program Prerequisites (CPP) (21 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information and possible substitutions.
- Some of these courses have prerequisites that must be taken first.
- Students should consult with an advisor in the College of Nursing for clarification of questions regarding prerequisite requirements.
- Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available on the College of Nursing website at http://www.nursing.ucf.edu

PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
MCB 2004C Microbiology for Health Professionals or 4 hrs
ZOO 3733C Human Anatomy or 4 hrs
PCB 3703C Human Physiology or 4 hrs
HUN 3011 Human Nutrition or 3 hrs
1 CHM 1032 General Chemistry or 3 hrs

Select 1: 3 hrs
- STA 2014C Principles of Statistics or 3 hrs
- STA 2023 Statistical Methods I or 3 hrs

Select 1: 3 hrs
- SOW 3104 Assessing I: Human Development or 3 hrs
- DEP 2004C Developmental Psychology or 3 hrs

1 or other approved Life/Physical Science

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (62 hrs)
- Any variation from the following must be approved in advance by the College of Nursing.
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

UCF Degree Programs
UCF Degree Programs

NUR 3825 The Role of the Professional Nurse  2 hrs
NUR 3028 Essentials of Nursing Practice  2 hrs
NUR 3755L Essentials of Nursing Practice Clinical  2 hrs
NUR 3028L Essentials of Nursing Practice Lab  1 hr
NUR 3634 Community Health Nursing  3 hrs
NUR 3634L Community Health Nursing Clinical  2 hrs
NUR 3125 Pathophysiology for Nursing Practice  3 hrs
NUR 3145 Pharmacology for Nursing Practice  3 hrs
NUR 3226 Nursing Care of the Adult I  3 hrs
NUR 3229L Nursing Care of the Adult I: Clinical Practice  2 hrs
NUR 3445 Nursing Care of Families  3 hrs
NUR 3445L Nursing Care of Families Clinical  2 hrs
NUR 3165 Nursing Research  3 hrs
NUR 4637 Health Care Issues, Policy, and Economics  3 hrs
NUR 4227 Nursing Care of the Adult II  4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice  3 hrs
NUR 4535 Psychiatric Mental Health Nursing  3 hrs
NUR 4535L Psychiatric Mental Health Clinical  2 hrs
NUR 4257 Introduction to Critical Care Nursing  3 hrs
NUR 4945L Nursing Practicum  4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition  3 hrs
NUR 4837 Health Care Issues, Policy, and Economics  3 hrs
NUR 4837L  (3 hrs)
NUR 4637 Public Health Nursing  2 hrs
NUR 4637L Public Health Nursing Clinical  1 hr

5. Restricted Electives
   Nursing Electives
   ■ One College of Nursing elective

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   Graduation
   ■ None

8. Electives
   ■ None

9. Additional Requirements
   ■ Students pursuing a BS degree must meet the University foreign language admission requirements before graduation.
   ■ Mandatory Drug Screening is required prior to any clinical course and "on demand" for continuation in the program. Students must:
   ■ Complete all courses in major with at least a "C" (2.0).
   ■ Maintain a UCF GPA of 2.5 or above.
   ■ Maintain College of Nursing GPA of 2.5 or above.

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ All courses in major must be "C" (2.0) or better.
    ■ The UCF GPA must be 2.5 or above.
    ■ Complete the College of Nursing GPA must be 2.5 or above.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 48 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 122

Honors In Major

Honors Option Requires:
■ Open to students with a minimum 3.5 GPA in Nursing.
■ Completion of a three credit directed readings course.
■ Completion of a three credit thesis course.
■ Must earn a minimum cumulative UCF 3.2 GPA.
■ Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

Related Programs
■ Health Services Administration
■ Social Work

Certificates
■ Aging Studies

Related Minors
■ Psychology
■ Health Sciences
■ Health Services Administration

Advising Notes
■ None

Transfer Notes
■ Lower Division courses taken at community colleges do not substitute for Upper Division courses.
■ Nursing courses transferred from private and out-of-state schools must be evaluated for equivalency credit by the undergraduate program coordinator. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ The following substitutions for Common Program Prerequisites are acceptable if taken prior to transferring to UCF:
  - CHM 1032: May substitute any college Chemistry course
  - MAC 1105C: College Algebra
  - MAC 1105: School Algebra
  - MAC 1114C: College Algebra
  - MAC 2311: Calculus I
  - MTH 1611: Calculus I
  - PSY 1010: Introduction to Psychology
  - PSY 2012: General Psychology
  - STA 2023: Statistical Methods I
  - STA 2023: Statistical Methods I & II

Plan of Study

Freshman Year - Fall
- SYG 2000 Introduction to Sociology 3 hrs
- MAC 1105C College Algebra 3 hrs
- BSC 2010C Biology I 4 hrs
- GEP 3 hrs

Freshman Year - Spring
- PSY 2012 General Psychology 3 hrs
- STA 2023 Statistical Methods I 3 hrs
- CHM 1032 General Chemistry 3 hrs
- GEP 3 hrs

Sophomore Year - Fall
- ZOO 3733C Human Anatomy 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- Select 1: 3 hrs
- DEP 2004C Developmental Psychology 3 hrs

Sophomore Year - Spring
- PCB 3703C Human Physiology 4 hrs
- GEP 3 hrs
- GEP 3 hrs
- HUN 3011 Human Nutrition 3 hrs

Junior Year - Fall
- NUR 3825 The Role of the Professional Nurse 2 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3634L Community Health Nursing Clinical 2 hrs
- NUR 3825 The Role of the Professional Nurse 2 hrs
- NUR 3065 Health Assessment 2 hrs
- NUR 3065L Health Assessment Lab 1 hr
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3634 Community Health Nursing 3 hrs
- NUR 3634L Community Health Nursing Clinical 2 hrs

University of Central Florida University Catalog 2011-2012
Junior Year - Spring 16 hrs
- NUR 3125 Pathophysiology for Nursing Practice 3 hrs
- NUR 3145 Pharmacology for Nursing Practice 3 hrs
- NUR 3225 Nursing Care of the Adult I 3 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs

Junior Year - Summer 6 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR XXXX Nursing Elective 3 hrs

Senior Year - Fall 12 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs
- NUR XXXX Nursing Elective if needed 3 hrs

Senior Year - Spring 13 hrs
- NUR 4257 Introduction to Critical Care Nursing 3 hrs
- NUR 4945L Nursing Practicum 4 hrs
- NUR 4637 Public Health Nursing 2 hrs
- NUR 4637L Public Health Nursing Clinical 1 hr
- NUR 4828 Leadership, Management and Role Transition 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

Nursing - Concurrent A.S.N. to B.S.N. enrollment option (B.S.N.)

College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
407-823-2744

A partnership between selected State/Community Colleges and UCF College of Nursing to allow qualified Associate of Science in Nursing (ASN) students to enroll in the RN to BSN program while completing the ASN program. This program allows simultaneous enrollment in both associate and baccalaureate nursing programs.

Admission Requirements
- Acceptance to the University does not constitute admission to this program. Only students admitted to the State/Community Colleges Nursing Programs are eligible for this enrollment option. Upon invitation, if not already admitted to UCF, students must make separate application to the UCF College of Nursing. Students are accepted into this program if not already admitted to UCF, students must make separate application.
- Students not yet admitted to UCF must consult with the School of Nursing or the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- Students not yet admitted to UCF must consult with the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- A cumulative GPA of 3.0 or above.
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college A.A. transfer advisor regarding completion of General Education Program requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- Students should consult with an advisor in the Concurrent Nursing program for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida State/Community College or other university.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 30 hours.
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

<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>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>
</tbody>
</table>

Select 1:
- Required STA 2014C Principles of Statistics 3 hrs
- Required STA 2023 Statistical Methods I 3 hrs

Select 1:
- Prefer SYG 2000 Introduction to Sociology or PSY 2012 General Psychology 3 hrs
- Prefer ECO 2013 Principles of Macroeconomics or ECO 2023 Principles of Microeconomics 3 hrs
- Prefer POS 2041 American National Government 3 hrs

E: Science Foundations (7 hrs)
- 1 Required BSC 2010C Biology I 4 hrs
- 2 Required CHM 1032 General Chemistry 3 hrs
- 1 CHM 1032L General Chemistry Laboratory 1 hr

Suggested
- 1 Science Foundation is six credit hours for General Education Program.
- This BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology.
- or other Physical Sciences

2. Common Program Prerequisites (CPP) (18 hrs)
- Applicants should see a UCF Nursing Advisor for possible course substitutions.

Select 1:
- STA 2023 Statistical Methods I or STA 2014C Principles of Statistics 3 hrs
- SOW 3104 Assessing I: Human Development or DEP 2004C Developmental Psychology 3 hrs
- PSY 2012 General Psychology or SYG 2000 Introduction to Sociology 3 hrs

| 1 Required MCB 2004C Microbiology for Health Professionals GE | 4 hrs |
| 2 DEP 2004C Developmental Psychology | 3 hrs |
| 1 CHM 1032 General Chemistry | 3 hrs |

Select 1:
- MCB 2004C Microbiology for Health Professionals GE 4 hrs
- CHM 1032 General Chemistry 3 hrs
- ZOO 2000 General Zoology 3 hrs

Select 1:
- HUN 3011 Human Nutrition | 3 hrs |
UCF Degree Programs

1. Or other Physical or Life Science. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.
2. May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.
3. May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits.
4. Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (52 hrs)
   Core UCF Requirements 25 hrs
   - NUR 3036 Professional Socialization Seminar 1 hr
   - NUR 3065 Health Assessment 2 hrs
   - NUR 3065L Health Assessment Lab 1 hr
   - NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
   - NUR 3165 Nursing Research 3 hrs
   - NUR 3634 Community Health Nursing 3 hrs
   - NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
   - NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
   - NUR 4637 Public Health Nursing 2 hrs
   - NUR 4804L Practice in Community and Public Health Nursing for RNs 4 hrs

   Upper Division Credit 27 hrs
   - May be met by validation
   - NUR 3028 Essentials of Nursing Practice 2 hrs
   - NUR 3028L Essentials of Nursing Practice Lab 1 hr
   - NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
   - NUR 3225 Nursing Care of the Adult I: Clinical Practice 2 hrs
   - NUR 3445L Nursing Care of Families Clinical 3 hrs
   - NUR 4445L Nursing Care of Families Clinical 2 hrs
   - NUR 4227 Nursing Care of the Adult II: Clinical Practice 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.
   - 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)
- 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 B.S.N. Program (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Stephen Heglund, RN to BSN Coordinator
Dr. Linda Hennig, Assoc. Dean Undergraduate
Dr. Jean Leuner, Dean
407-823-2744

BSN completion program for individuals who are licensed RNs. Students must complete all university-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.). All courses are available online and some courses may be offered face-to-face as well. For more information, see http://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.

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 GPA of 2.5 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)

Select 1: 3 hrs
Required STA 2014C Principles of Statistics or
Required STA 2023 Statistical Methods I

D: Social Foundations (6 hrs)
Select 1: 3 hrs

1 Required SYG 2000 Introduction to Sociology or
1 Required 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

1 One of these courses is required to meet General Education requirements.

E: Science Foundations (6 hrs)
Required BSC 2010C Biology I
Required CHM 1032 General Chemistry

1 Science Foundation is 6 credit hours for General Education Program. The BSC course is needed as a course prerequisite for Anatomy and Physiology and Health Microbiology. Chemistry is a prerequisite for Nutrition (HUN 3011).

2. Common Program Prerequisites (CPP) (18 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

Select 1:

1 PSY 2012 General Psychology or
2 SYG 2000 Introduction to Sociology or
MCB 2004C Microbiology for Health Professionals
3 CHM 1032 General Chemistry
4 ZOO Human Anatomy
4 PCB 3073C Human Physiology
HUN 3011 Human Nutrition

Select 1:

2 STA 2014C Principles of Statistics or
STA 2023 Statistical Methods I

Select 1:

3 hrs
SOC 3104 Assessing I: Human Development or
DEP 2004C Developmental Psychology

1 PSY 2012 or SYG 2000 Also meet General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

2 Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

1 (or other Physical or Life Science) Also meets General Education Requirements; Applicants should see a UCF Nursing Advisor for possible course substitutions.

1 May take Anatomy and Physiology sequence (AP I & II) of six-eight total credits

3 Core Requirements: Basic Level

None

4. Core Requirements: Advanced Level (51 hrs)

UCF Core

NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3085 Health Assessment 2 hrs
NUR 3086L Health Assessment Lab 1 hr
NUR 3165 Nursing Research 3 hrs
NUR 3634 Community Health Nursing 3 hrs

NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public Health Nursing 2 hrs

Upper Division Credit 27 hrs

Upper Division Credit may be met by Validation.

NUR 3028 Essentials of Nursing Practice 2 hrs
NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
NUR 3028L Essentials of Nursing Practice Lab 1 hr
NUR 3225 Nursing Care of the Adult I 3 hrs
NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
NUR 3445 Nursing Care of Families 3 hrs
NUR 3445L Nursing Care of Families Clinical 2 hrs
NUR 4227 Nursing Care of the Adult II 4 hrs
NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
NUR 4535 Psychiatric Mental Health Nursing 3 hrs
NUR 4535L Psychiatric Mental Health Clinical 2 hrs

5. Restricted Electives (6 hrs)

Any two upper division nursing electives (NUR or NSP prefix)

6. Capstone Requirements

None

7. Foreign Language Requirements

Admissions

Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation

None

8. Electives

variable to meet degree requirements

9. Additional Requirements

A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.

Complete all courses in major with at least a “C” (2.0).
Maintain a UCF GPA of 2.5 or above.
Maintain a College of Nursing GPA of 2.5 or above.

Progression Requirements:

Prior to NUR 3634: RN status or eligible to take NCLEX.
Prior to NUR 3165: Complete NUR 3805 and Statistics course with grade of “C” (2.0) or better.
Prior to NUR 3634 Community Health Nursing: 1) admission to the Nursing Program; 2) complete general education requirements or A.A. from a Florida public Community College or State University System (SUS); 3) complete Nursing prerequisites; 4) CLAS requirement satisfied; and 5) complete foreign language admission requirement

Other:

Selected courses may be offered at regional campuses of Daytona, Cocoa, Leesburg, and Ocala.
The RN to BSN coursework is offered online. Some on-campus labs and clinical practice may be required. For more information visit http://www.nursing.ucf.edu.

A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

10. Required Minors

None

11. Departmental Exit Requirements

Completion of all courses in major with a grade of “C” (2.0) or better
Overall cumulative GPA of 2.5 or above
College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

A 2.0 UCF GPA
60 semester hours earned after CLEP awarded
48 semester hours of upper division credit completed
30 of the last 39 hours of course work must be completed in residence at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
UCF Philosophy Department

Advising Notes
Students are required to design an individual plan of study with an advisor. An example plan is noted below. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
None

Acceptable Substitutes for Transfer Courses
None

Plan of Study (30 hrs)

Junior Year - Fall
NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
NUR 3065 Health Assessment 2 hrs
NUR 3065L Health Assessment Lab 1 hr

Junior Year - Spring
NUR 3165 Nursing Research 3 hrs
NUR 3364 Community Health Nursing 3 hrs

Junior Year - Summer
NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Fall
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR/NSP XXXX Nursing Elective 3 hrs

Senior Year - Spring
NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
NUR 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

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, donjones@mail.ucf.edu, 407-823-2273
Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “C” (2.0) in each required course.
- Co-op or internship credit cannot be used in this major without prior departmental approval.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
- Required
- HUM 2210 Humanistic Tradition I 3 hrs
- Required
- HUM 2230 Humanistic Tradition II 3 hrs
- Required
- PHI 2010 Introduction to Philosophy 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required
- HUM 2210 Humanistic Tradition I GEP 3 hrs
- Required
- HUM 2230 Humanistic Tradition II GEP 3 hrs
- Required
- PHI 2010 Introduction to Philosophy GEP 3 hrs

C: Mathematical Foundations (6 hrs)
- Required
- MGF 1106 Finite Mathematics 3 hrs
- Prefer
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

1 May substitute a higher level math course.

D: Social Foundations (6 hrs)

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)
None

3. Core Requirements: Basic Level (36 hrs)
Core
- PHI 3083 Research Methods in Philosophy 3 hrs
- PHI 4938 Senior Research Seminar 3 hrs

1 To be completed before the end of Junior year as a prerequisite to enrollment in Senior courses.

Reasoning 6 hrs
Select 2:
- PHI 2011 Philosophical Reasoning 3 hrs
- PHI 2101 Formal Logic I or
- PHI 2108 Critical Thinking or
- PHI 2647 Logic and Ethics or
- PHI 3131 Formal Logic II 3 hrs

History of Philosophy 9 hrs
Select 2:
- PHH 3100 Ancient Philosophy or
- PHH 3200 Medieval Philosophy or
- PHH 3460 Modern Western Philosophy 3 hrs

Select 1:
- PHH 3600 Contemporary Philosophy or
- PHH 3510 Marx and Nietzsche or
- PHH 3700 American Philosophy or
- PHH 3790 African Philosophy 3 hrs

Values and Society 6 hrs
Select 2:
- PHI 3670 Ethical Theory or
- PHI 3626 Advanced Ethics in Science and Technology or
- PHM 3401 Philosophy of Law or
- PHM 3800 Aesthetics or
- PHM 3128 Feminist Theories or
- PHI 3638 Ethical Issues in the 21st Century or
- PHI 3625 Virtual Ethics or
- PHI 4633 Ethics and Biological Science or
- PHM 3100 Freedom and Justice or
- PHI 3640 Environmental Ethics or
- PHI 4031 Environmental Philosophy or
- PHH 3701 Native American Philosophy or
- PHI 3805 Contemporary Aesthetics 3 hrs

Equipment Fees
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term
Being and Knowing 6 hrs

Select 2: 6 hrs

PHI 4500  Metaphysics or 3 hrs
PHI 4341  Ways of Knowing or 3 hrs
PHI 4300  Theories of Knowledge or 3 hrs
PHI 3700  Philosophy of Religion or 3 hrs
PHI 4400  Philosophy of Science or 3 hrs
PHI 3320  Philosophy of Mind or 3 hrs
PHI 3451  Philosophy of Psychology or 3 hrs
PHI 4420  Philosophy of Social Science or 3 hrs
PHI 3323  Minds and Machines: Philosophy of Cognitive Science or 3 hrs
PHP 4782  Phenomenology or 3 hrs
PHI 4221  Philosophy of Language 3 hrs

Topics in Philosophy 3 hrs

Select 1: 3 hrs

- Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by Departmental advisor.
- PHI 4804  Critical Theory or 3 hrs
- PHI 3750  The Problem of Evil or 3 hrs
- PHI 3720  Faith and Reason or 3 hrs
- PHI 3803  Philosophy and Creativity or 3 hrs
- PHI 3941  Philosophy Practicum or 3 hrs
- REL 3111  Religion and Philosophy Through Film or 3 hrs
- PHP 3786  Existentialism or 3 hrs
- HUM 4330  Performance Theory or 3 hrs
- PHI 4935  Topics in Philosophy of Mind 3 hrs

5. Restricted Electives (6 hrs)

- Select six hours of approved courses in Philosophy or related areas, subject to approval by Departmental advisor.

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Met by 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.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

Complete the 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 as requirement for regular majors

Honors Thesis

- PHI 4903H Honors Directed Reading I 1 hr
- PHI 4970H Undergraduate Honors Thesis 1 hr

Additional Requirements

- Application and admission through the Philosophy Honors Coordinator and the Burnett Honors College.
- Fulfill University requirements for Honors in the Major.
- Maintain UCF GPA of at least 3.2 and a Philosophy GPA of at least 3.5.
- Successful completion and oral defense of Honors thesis.
- Earn an "A" (3.0) or better in both of the following courses:
  - PHI 4930H 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2210</td>
<td>Humanistic Tradition I</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 2101</td>
<td>Introduction to Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 1120C</td>
<td>Elementary Spanish Language and Civilization I</td>
<td>4 hrs</td>
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Freshman Year - Spring 16 hrs

<table>
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<tr>
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<tbody>
<tr>
<td>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 2230</td>
<td>Humanistic Tradition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel</td>
<td>3 hrs</td>
</tr>
<tr>
<td>Restricted Elective</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPN 1121C</td>
<td>Elementary Spanish Language and Civilization II</td>
<td>4 hrs</td>
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Sophomore Year - Fall 15 hrs

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<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEP</td>
<td></td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Undergraduate Catalog 2011-2012
UCF Degree Programs

Photography (B.S.)
College of Arts and Humanities
School of Visual Arts and Design
http://svad.cah.ucf.edu
Jason Burrell, 386-506-3944

(This program is offered at UCF at the Daytona Beach Campus. Photography is also available as an area of concentration at the Orlando campus as part of the Art-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:

2. Common Program Prerequisites (CPP)

   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
   - Subject to change. Prerequisites have not been set by the state.
   - If not already completed as part of the A.S. degree, after acceptance into the program.

   - ARH 2051 History of Western Art II 3 hrs
   - PGY 3610C Photojournalism I 3 hrs
   - PGY 1403 Fundamentals of Photography (Already included in A.S. requirements)

3. Core Requirements: Basic Level (49 hrs)

   - A.S. Required Courses:

     - (Completed in the A.S. degree program in Photographic Technology, or equivalent coursework)
     - PGY 1115 Color Materials and Processes 7 hrs
     - PGY 1403 Fundamentals of Photography 4 hrs
     - PGY 1806 Digital Imaging 4 hrs
     - PGY 2000 History and Aesthetics of Photography 3 hrs
     - PGY 2107 Large Format Photography 4 hrs
     - PGY 2215 Professional Studio Portraiture 4 hrs
     - PGY 2216 Location Photography 4 hrs
     - PGY 1809 Photography and the Digital Image 4 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)

   - PGY 3002 Contemporary Photography 3 hrs
   - PGY 4003 Image, Culture, and Society 3 hrs
   - PGY 3821C Advanced Digital Photography 3 hrs
   - PGY 4472C Photo Visualization 3 hrs
   - PGY 4428C Advanced Illustrative Photography 3 hrs
   - PGY 4471 Photography Thesis 3 hrs
   - PGY 3276 The Professional Environment 3 hrs
   - PGY 3205C Photographic Lighting Techniques 3 hrs
   - PGY 3651C Narrative Editorial Photography 3 hrs
   - PGY 3653C Advanced Editorial Photography 3 hrs
   - PGY 3703C Photography & the Web 3 hrs
   - PGY 3751C Videography 3 hrs
   - ENC 3250 Professional Writing 3 hrs

   - 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 4493C Photography and Art 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

- 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

- 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part-Time Student</td>
<td>$45 per term</td>
</tr>
<tr>
<td>Full-Time Student</td>
<td>$90 per term</td>
</tr>
</tbody>
</table>

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Physics (B.S.)

College of Sciences

Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu

E-mail: physics@ucf.edu
Dr. Talat Rahman
407-823-2325

Physics majors can select from five distinct tracks to earn their physics degree, as described below in Section 4, Specialization. While the various tracks share a common core of courses, they also enable students to prepare specifically for certain career paths. Students should consult their faculty advisors when deciding among these tracks.

Admission Requirements

- None

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Grades below “C” (2.0) in any required physics or mathematics courses are not acceptable; they must be repeated with a higher grade.
- Departmental Residency Requirement consists of at least 15 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Physics.
- Physics majors are discouraged from taking courses as a transient student at a community college, except in situations where one semester of a two semester sequence has already been taken at the community college.
- Courses designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- AA transfer students are expected to have completed the following courses before enrolling as a Physics major. These classes are prerequisites for advanced science classes and students entering without these classes will be unable to register for most of the advanced courses.

A: Communication Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 1603</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Take all of the following:

- Required ENC 1101 Composition I and ENC 1102 Composition II

B: Cultural & Historical Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

C: Mathematical Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

D: Social Foundations

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COP 3502C</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

E: Science Foundations

1. Physical Science:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 2048C</td>
<td>4 hrs</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>4 hrs</td>
</tr>
</tbody>
</table>

2. Life sciences:

Select from the E.2. GEP list.

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. Common Program Prerequisites (CPP)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAC 2311</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2312</td>
<td>GEP</td>
</tr>
<tr>
<td>MAC 2313</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2045C</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2046</td>
<td>GEP</td>
</tr>
<tr>
<td>CHM 2046L</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2048C</td>
<td>GEP</td>
</tr>
<tr>
<td>PHY 2049C</td>
<td>GEP</td>
</tr>
</tbody>
</table>

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UNIVERSITY OF CENTRAL FLORIDA
Note: These courses are considered equivalent.

CHM 2045C Chemistry Fundamentals I 4 hrs

or - students with little chemistry background should select this sequence.

CHM 2040 Chemistry Fundamentals IA and 3 hrs
CHM 2041 Chemistry Fundamentals IB 3 hrs

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
   PHZ 3113 Introduction to Theoretical Methods of Physics
   PHY 3220 Mechanics I 3 hrs
   PHY 3513 Thermal and Statistical Physics 3 hrs
   PHY 3323 Electricity and Magnetism I 3 hrs
   PHY 4324 Electricity and Magnetism II 3 hrs
   PHY 4604 Wave Mechanics I 3 hrs
   PHY 4605 Wave Mechanics II 3 hrs
   PHY 4912 Directed Independent Research (in area of specialization) 3 hrs

Laboratory requirements 6 hrs
PHY 3802L Intermediate Physics Laboratory 3 hrs

Select 1: 3 hrs
• PHY 3722C Physics Laboratory-Electronics 3 hrs
• PHY 3752C Physics of Scientific Instruments or 3 hrs

Select 2: 6 hrs
Directed Electives: 6 hrs
Select from upper division PHY, PHZ, or AST courses 6 hrs

4. Core Requirements: Advanced Level
   ■ Select one specialization

4.1. General Physics Specialization 18 hrs
   PHY 4803L Advanced Physics Laboratory 3 hrs

Restricted 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.

Directed Electives: 9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.2. Materials Physics Specialization 18 hrs
Select 1: 3 hrs
• PHY 4803L Advanced Physics Laboratory or 3 hrs
• EEE 5356C Fabrication of Solid-State Devices 4 hrs

Select 2: 9 hrs
• EEE 3350 Semiconductor Devices I or 3 hrs
• EG 3355 Structure and Properties of Materials or 3 hrs
• EMA 4413 Fundamentals of Electronic Materials or 3 hrs
• CHM 3411L Physical Chemistry Laboratory or 2 hrs
• PHZ 5405 Condensed Matter Physics or 3 hrs
• EEE 5352 Semiconductor Material and Device Characterization 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: 6 hrs
• PHY 4424 Optics 3 hrs

Select 3: 9 hrs
• EEL 4440 Optical Engineering or 3 hrs
• PHY 4445 Lasers or 3 hrs
• OSE 5203 Geometrical Optics and Imaging Systems or 3 hrs
• OSE 5312 Light Matter Interaction or 3 hrs
• OSE 5414 Fundamentals of Optoelectronic Devices 3 hrs

Directed Electives: 9 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.4. Computational Physics Specialization 19 hrs
PHZ 3151 Computer Methods in Physics 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COT 4500 Numerical Calculus 3 hrs

Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

4.5. Astronomy Specialization 18 hrs
AST 2002 Astronomy 3 hrs
AST 3722C Techniques of Observational Astronomy 3 hrs

Select 2: 6 hrs
AST 3110 Solar System Astronomy or 3 hrs
AST 3211 Stellar Astrophysics or 3 hrs
AST 3402 Galaxies and Cosmology 3 hrs

Directed Electives: 6 hrs
Select courses at a 3000 level or higher, approved by the Physics Department. Courses must be chosen in Physics, Mathematics, Chemistry, Computer Science, or Engineering.

5. Restricted Electives
   ■ None

6. Capstone Requirements
   ■ None

7. Foreign Language Requirements

Admissions
   ■ 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.

12. University Minimum Exit Requirements
   ■ A 2.0 UCF GPA
   ■ 60 semester hours earned after CLEP awarded
   ■ 48 semester hours of upper division credit completed
   ■ 30 of the last 39 hours of course work must be completed in residency at UCF
   ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
   ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   ■ 120

Honors In Major
   ■ None

Related Programs
   ■ Mathematics - Engineering/Physics Track
   ■ Mathematics - Applied Track
   ■ Mathematics - Pure Track
   ■ Electrical Engineering
   ■ Mechanical Engineering

Certificates
   ■ None

Related Minors
   ■ Mathematics
Course Requirements

Freshman Year - Fall
- MAC 2311: Calculus with Analytic Geometry I (4 hrs)
- CHM 2045C: Chemistry Fundamentals I (4 hrs)

Freshman Year - Spring
- PHY 2048C: Physics for Engineers & Scientists I (4 hrs)
- CHM 2046: Chemistry Fundamentals II (3 hrs)
- CHM 2046L: Chemistry Fundamentals Laboratory (1 hr)
- MAC 2312: Calculus with Analytic Geometry II (4 hrs)

Sophomore Year - Fall
- PHY 3101: Physics for Engineers and Scientists III (3 hrs)
- GEP: Mathematical Foundations (3 hrs)

Sophomore Year - Spring
- COP 3502C: Computer Science I (3 hrs)
- MAC 2313: Calculus with Analytic Geometry III (4 hrs)
- PHY 2049C: Physics for Engineers and Scientists II (3 hrs)

Junior Year - Fall
- PHY 3802L: Intermediate Physics Laboratory (3 hrs)
- PHY 3323: Electricity and Magnetism I (3 hrs)
- PHY 3513: Thermal and Statistical Physics (3 hrs)
- Restricted Elective (3 hrs)

Junior Year - Spring
- PHY 3220: Mechanics I (3 hrs)
- PHY 4324: Electricity and Magnetism II (3 hrs)
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)

Senior Year - Fall
- PHY 4604: Wave Mechanics I (3 hrs)
- Free Elective (3 hrs)
- Restricted Elective (3 hrs)
- Restricted Elective (3 hrs)
- PHY 4912: Independent Research (3 hrs)

Senior Year - Spring
- PHY 4605: Wave Mechanics II (3 hrs)
- Restricted Elective (3 hrs)
- Free Elective (2 hrs)
- Free Elective (3 hrs)
- Physics Test-Nationally normed

Plan of Study
- This is one of various possible plans of study. Consult a departmental advisor for alternate, new or more appropriate selections.
- Prior to enrolling in Math, take Math Placement Test at http://mathplacement.sdes.ucf.edu/
- Prior to enrolling in Chemistry, take Chemistry Placement Test at http://chemplacement.sdes.ucf.edu/

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

Transfer Notes
- Acceptable Substitutes for Transfer Courses
- None

Advising Notes
- 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 4 (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 in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
  - POS 2041 American National Government (3 hrs)
  - POS 3703 Scope and Methods of Political Science (3 hrs)
- 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)
- 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.
- Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I (3 hrs)
   - Required ENC 1102 Composition II (3 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication (3 hrs)

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 (3 hrs)
   - Prefer AMH 2020 U.S. History: 1877-Present (3 hrs)
   - Select from GEP B.2 list (3 hrs)

   C: Mathematical Foundations (6 hrs)
   - GEP - Math (3 hrs)
   - Prefer MGF 1106 Finite Mathematics or (3 hrs)
   - Prefer MGF 1107 Explorations in Mathematics or (3 hrs)
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.

   GEP - Statistics (3 hrs)
   - Prefer STA 2014C Principles of Statistics or (3 hrs)
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel or (3 hrs)
   - You may substitute a higher level Statistics course. (3 hrs)

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $12.40 per term
- Full-Time Student: $24.80 per term

Political Science (B.A.)
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
407-823-2608

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog
- Co-op or internship credit cannot be used in this major without prior departmental approval
- Students should consult with a departmental advisor
- Departmental Residency Requirement consists of at least 21 semester hours of regularly scheduled courses taken from the UCF Department of Political Science
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

Double major/dual degree policy in Political Science programs and minors
- 1. Students who double major in any Political Science track and International and Global Studies shall not count more than two courses toward both programs, except the following:
   - POS 2041 American National Government (3 hrs)
   - POS 3703 Scope and Methods of Political Science (3 hrs)
- 2. Students who major in International and Global Studies, and minor in Political Science, shall not count more than one course toward both programs, except the following:
   - POS 2041 American National Government (3 hrs)
- 3. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.
- 4. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

1. UCF General Education Program (GEP) (36 hrs)
   - A: Communication Foundations (9 hrs)
   - Required ENC 1101 Composition I (3 hrs)
   - Required ENC 1102 Composition II (3 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication (3 hrs)

   B: Cultural & Historical Foundations (9 hrs)
   - Prefer AMH 2010 U.S. History: 1492-1877 (3 hrs)
   - Prefer AMH 2020 U.S. History: 1877-Present (3 hrs)
   - Select from GEP B.2 list (3 hrs)

   C: Mathematical Foundations (6 hrs)
   - GEP - Math (3 hrs)
   - Prefer MGF 1106 Finite Mathematics or (3 hrs)
   - Prefer MGF 1107 Explorations in Mathematics or (3 hrs)
   - You may substitute a higher level math with appropriate scores on the Math Placement Test.

   GEP - Statistics (3 hrs)
   - Prefer STA 2014C Principles of Statistics or (3 hrs)
   - Prefer STA 1060C Basic Statistics Using Microsoft Excel or (3 hrs)
   - You may substitute a higher level Statistics course. (3 hrs)
# UCF Degree Programs

## D: Social Foundations (6 hrs)
- Required: POS 2041 American National Government 3 hrs
- Select from GEP D.2 list 3 hrs

## E: Science Foundations (6 hrs)
- 2. Common Program Prerequisites (CPP) (3 hrs)
  - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
  - See Transfer Notes for possible substitutes.
- POS 2041 American National Government GEP 3 hrs
- POS 3703 Scope and Methods of Political Science 3 hrs

## 3. Core Requirements: Basic Level
- POS 2041 American National Government GEP 3 hrs

## 4. Core Requirements: Advanced Level
- POS 3703 Scope and Methods of Political Science CPP 3 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
- POS 3122 State Government and Public Policy or 3 hrs
- POS 3173 Southern Politics or 3 hrs
- POS 3182 Florida Politics or 3 hrs
- POS 3233 Public Opinion or 3 hrs
- POS 3235 Mass Media and Politics or 3 hrs
- POS 3268 Politics in Film or 3 hrs
- POS 3273 Voting and Elections or 3 hrs
- POS 3413 The American Presidency or 3 hrs
- POS 3424 Congress and the Legislative Process or 3 hrs
- POS 3443 Political Parties and Processes or 3 hrs
- POS 3463 Interest Groups or 3 hrs
- POS 3627 Cultural Pluralism and Law or 3 hrs
- POS 4074 Latino Politics or 3 hrs
- POS 4142 Metropolitan Politics or 3 hrs
- POS 4204 Political Behavior or 3 hrs
- POS 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
- PUP 4204 Sustainability or 3 hrs
- PUP 4209 Urban Environmental Policy or 3 hrs
- PUP 3203 Environmental Politics or 3 hrs
- PUP 3314 Minorities in American Politics or 3 hrs
- PUP 3325 Women and Political Behavior or 3 hrs
- PUP 4003 American Public Policy or 3 hrs
- PUP 4323 Women and Public Policy or 3 hrs
- PUP 4404 Education and Politics or 3 hrs
- PUP 4503 Government and Science or 3 hrs
- PUP 4602 Politics of Health or 3 hrs
- PUP 4744 Government and Business or 3 hrs
- PUP 4931 Topics in Public Policy or 3 hrs
- POS 3076 American Indian Politics or 3 hrs
- POS 3234 Protest in American Politics 3 hrs
- POS 3203 Sustainability or 3 hrs
- PUP 4003 American Public Policy or 3 hrs
- PUP 4323 Women and Public Policy or 3 hrs
- PUP 4404 Education and Politics or 3 hrs
- PUP 4503 Government and Science or 3 hrs
- PUP 4602 Politics of Health or 3 hrs
- PUP 4744 Government and Business or 3 hrs
- PUP 4931 Topics in Public Policy or 3 hrs
- POS 3076 American Indian Politics or 3 hrs
- POS 3234 Protest in American Politics 3 hrs

### B. International Relations and Comparative Government Area
- CPO 3034 Politics of Developing Areas or 3 hrs
- CPO 3103 Comparative Politics or 3 hrs
- CPO 3104 Politics of Western Europe or 3 hrs
- CPO 3132 Canadian Studies or 3 hrs
- CPO 3403 Politics of the Middle East or 3 hrs
- CPO 3614 Politics of Eastern Europe or 3 hrs
- CPO 4043 Politics of the NAFTA Region or 3 hrs
- CPO 4062 Comparative Judicial Process or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4101 Politics of the European Union or 3 hrs
- CPO 4123 Government and Politics of Great Britain or 3 hrs
- CPO 4453 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 or 3 hrs
- INR 4304 Issues in International Public Policy or 3 hrs
- INR 4364 The Intelligence Community 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 4085 Women, Gender, and Globalization or 3 hrs
- INR 4120 American Foreign Policy or 3 hrs
- INR 4204 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4115 Strategic Weapons and Arms Control or 3 hrs
- INR 4224 Contemporary International Politics of Asia or 3 hrs
- INR 4225 The Vietnam War or 3 hrs
- INR 4243 International Politics of Latin America or 3 hrs
- INR 4350 Global Environmental Politics or 3 hrs
- INR 4364 The Intelligence Community or 3 hrs
- INR 4304 Issues in International Public Policy or 3 hrs
- INR 4335 Coercion in International Politics or 3 hrs
- INR 4401 International Law I or 3 hrs
- INR 4402 International Law II or 3 hrs
- INR 4404 Space Law or 3 hrs
- INR 4502 International Organizations or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs
- POS 3253 Contemporary Revolution and Political Violence or 3 hrs
- PUP 3508 Space Studies or 3 hrs
- PUP 3014 Comparative Public Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- PUP 4510 Space Policy or 3 hrs
- CPO 4514 Politics of East Asia or 3 hrs
- CPO 4794 Indigenous Politics and the Environment or 3 hrs
- INR 4603 International Relations Theory or 3 hrs
- INR 4084 Politics of International Terrorism or 3 hrs

### C. Political Theory Area (6 hrs)
- INR 4603 International Relations Theory or 3 hrs
- POS 4206 Political Psychology or 3 hrs
- POT 3204 American Political Thought or 3 hrs
- POT 3302 Modern Political Ideologies or 3 hrs
- POT 4003 Political Theory or 3 hrs
- POT 4025 Ancient, Medieval and Early Modern or 3 hrs
- INR 4504 Modern Political Philosophy or 3 hrs
- INR 4068 Contemporary Political Theory or 3 hrs
- POT 4109 Politics and Literature or 3 hrs
- INR 4345 Pan-Africanist Thought or 3 hrs
- POT 4305 The State, Society, and the Individual or 3 hrs
- POT 4314 Contemporary Democratic Theory or 3 hrs
- POT 4331 Utopia/Dystopia or 3 hrs
- POT 4414 Marxian Political Theory or 3 hrs
- POT 4632 Religion and Politics or 3 hrs
6. Capstone Requirements
   ■ None

7. Foreign Language Requirements
   Admissions
   ■ Met by graduation requirement

   Graduation
   ■ Proficiency equivalent to one year of college instruction in 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 completed satisfactorily.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in resi-
    dency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit
    by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the
    CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors in Major
■ Interested students who meet the requirements are encouraged to
participate in the HIM program. Contact the department for information
about the program and the HIM coordinator.

Related Programs
■ Economics
■ History

Certificates
■ Diplomacy

Related Minors
■ Economics
■ History
■ Psychology
■ Sociology
■ Philosophy

Advising Notes
■ None

Transfer Notes
■ Lower division courses taken at community colleges do not substi-
  tute 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 alter-
nate, new or more appropriate selections.

Freshman Year - Fall 15 hrs
   ■ AMH 2010  U.S. History: 1492-1877  3 hrs
   ■ ENC 1101  Composition I  3 hrs
   ■ POS 2041  American National Government  3 hrs
   ■ GEP  3 hrs
   ■ GEP  3 hrs

Freshman Year - Spring 15 hrs
   ■ AMH 2020  U.S. History: 1877-Present  3 hrs
   ■ ENC 1102  Composition II  3 hrs
   ■ GEP  3 hrs
   ■ GEP  3 hrs
   ■ GEP  3 hrs

Sophomore Year - Fall 16 hrs
   ■ Restricted Elective  3 hrs
   ■ GEP  3 hrs
   ■ Free Elective  3 hrs
   ■ Restricted Elective  3 hrs
   ■ Foreign Language  4 hrs

Sophomore Year - Spring 16 hrs
   ■ POS 3703  Scope and Methods of Political Science  3 hrs
   ■ Restricted Elective  3 hrs
   ■ Restricted Elective  3 hrs
   ■ Foreign Language  4 hrs
   ■ GEP  3 hrs

Junior Year - Fall 15 hrs
   ■ Restricted Elective  3 hrs
   ■ Restricted Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs

Junior Year - Spring 15 hrs
   ■ Restricted Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs

Senior Year - Fall 15 hrs
   ■ Restricted Elective  3 hrs
   ■ Restricted Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs

Senior Year - Spring 15 hrs
   ■ Restricted Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs
   ■ Free Elective  3 hrs

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $5 per term
■ Full-Time Student: $10 per term

Political Science - Prelaw Track (B.A.)
College of Sciences
Department of Political Science, Howard Phillips Hall,
Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
407-823-2808

While no specific major is prescribed for admission to law school, many prelaw stu-
dents elect to major in political science. These individuals usually choose the prelaw
emphasize 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 one course toward both programs.
2. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

### 1. UCF General Education Program (GEP) (36 hrs)

#### A: Communication Foundations (9 hrs)
- **Required**
  - ENC 1101 Composition I 3 hrs
  - ENC 1102 Composition II 3 hrs
- **Preferred**
  - SPC 1608 Fundamentals of Oral Communication 3 hrs

#### B: Cultural & Historical Foundations (9 hrs)
- **Required**
  - AMH 2010 U.S. History: 1492-1877 3 hrs
  - AMH 2020 U.S. History: 1877-Present 3 hrs
- **Select a course from GEP B.2. list** 3 hrs

#### C: Mathematical Foundations (6 hrs)
- **Math:**
  - MGF 1106 Finite Mathematics or Prefer MGF 1107 Explorations in Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Test. 3 hrs

#### Statistics:
- **Required**
  - STA 2014C Principles of Statistics or STA 1061C Basic Statistics Using Microsoft Excel 3 hrs
- **Select one of the listed courses** 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.

#### 3. Core Requirements: Basic Level
- **Required**
  - POS 2041 American National Government GEP/CPP
  - POS 3703 Scope and Methods of Political Science GEP/CPP

#### 4. Core Requirements: Advanced Level
- **Required**
  - POS 4603 American Constitutional Law or POS 4604 American Constitutional Law II or INR 4401 International Law I or INR 4402 International Law II 3 hrs

#### 5. Restricted Electives (27 hrs)
- Select one of the following four courses: 3 hrs
  - POS 4603 American Constitutional Law or POS 4604 American Constitutional Law II or INR 4401 International Law I or INR 4402 International Law II

**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 15 hrs
- Five courses from area B and 6 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
  - LIN 4105 History of the English Language 3 hrs
  - MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics or You may substitute a higher level math with appropriate scores on the Math Placement Test. 3 hrs

9. **Additional Requirements**
- None

10. **Required Minors**
- None

### 11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in the major
- Before applying to graduate, the CLAS must be completely satisfied.

### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

### Total Semester Hours Required
- 120

**Honors In Major**
- Interested students who meet the requirements are encouraged to participate in the HIM program. Contact the department for information about the program and the HIM coordinator.

**Related Programs**
- Economics
- History
- Philosophy
### Plan of Study

This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

#### Freshman Year - Fall
- **AMH 2010** U.S. History: 1492-1877 3 hrs
- **ENC 1101** Composition I 3 hrs
- **GEP** 3 hrs
- **POS 2041** American National Government 3 hrs
- **GEP** 3 hrs

#### Freshman Year - Spring
- **AMH 2020** U.S. History: 1877-Present 3 hrs
- **ENC 1102** Composition II 3 hrs
- **GEP** 3 hrs
- **GEP** 3 hrs
- **STA 2014C** Principles of Statistics 3 hrs

#### Sophomore Year - Fall
- **GEP** 3 hrs
- **Restricted Elective** 3 hrs
- **Supporting Elective** 3 hrs
- **Foreign Language** 4 hrs
- **Supporting Elective** 3 hrs

#### Sophomore Year - Spring
- **GEP** 3 hrs
- **POS 3703** Scope and Methods of Political Science 3 hrs
- **Restricted Elective** 3 hrs
- **Supporting Elective** 3 hrs
- **Foreign Language** 4 hrs

#### Junior Year - Fall
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
- **Supporting Elective** 3 hrs
- **POS 4284** Judicial Process and Politics 3 hrs

#### Junior Year - Spring
- **Restricted Elective** 3 hrs
- **Supporting Elective** 4 hrs
- **Supporting Elective** 4 hrs
- **Supporting Elective** 3 hrs

#### Senior Year - Fall
- **Restricted Elective** 3 hrs
- **Restricted Elective** 3 hrs
UCF Degree Programs

E. Science Foundations (6 hrs)
Biology: Select the advanced option if additional biology is planned.
- Required BSC 1005 Biological Principles or 3 hrs
- Required BSC 2010C Biology I 4 hrs

Physical or Chemical: Select a listed course
- 3 hrs
- Select one of the listed choices 3 hrs

2. Common Program Prerequisites (CPP) (3 hrs)
- See Transfer Notes for possible substitutes for the courses listed below.
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

PSY 2012 General Psychology GEP
DEP 2004C Developmental Psychology 3 hrs

Biology:
- Select the advanced course if additional biology courses are planned.
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I GEP

Statistics:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

3. Core Requirements: Basic Level

Lower Level Core Requirements

PSY 2012 General Psychology GEP

Biology:
- BSC 1005 Biological Principles or GEP
- BSC 2010C Biology I GEP

Statistics:
- STA 2014C Principles of Statistics or GEP
- STA 2023 Statistical Methods I GEP

4. Core Requirements: Advanced Level (15 hrs)

PSY 3204C Statistical Methods in Psychology 4 hrs
PSY 3213C Research Methods in Psychology 5 hrs
PSB 3002 Physiological Psychology 3 hrs
PSY 4604 History and Systems of Psychology 3 hrs

5. Restricted Electives (33 hrs)

A. Experimental: Select two of the following: 6 hrs
- EXP 3404C Basic Learning Processes or 3 hrs
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- PSB 4240C Neuropsychology or 3 hrs
- PSY 4215C Advanced Research Methods in Psychology or 4 hrs
- PSY 3703 Psychology of Language 3 hrs

B. Personality/Social: Select one of the following: 3 hrs
- PPE 3003C Personality Theory and Research or 3 hrs
- SOP 3004C Social Psychology 3 hrs

C. Developmental: Select one of the following: 3 hrs
- DEP 2004C Developmental Psychology or 3 hrs
- DEP 3202 Psychology of Exceptional Children or 3 hrs
- DEP 3464 Psychology of Aging 3 hrs

D. Diversity: Select one of the following: 3 hrs
- CLP 3184 Women’s Mental Health or 3 hrs
- SOP 3742 Psychology of Women or 3 hrs
- SOP 3723 Cross Cultural Psychology or 3 hrs
- SOP 3724 Psychology of Prejudice or 3 hrs
- SOP 3784 Psychology of Diversity 3 hrs

E. Applied: Select one of the following: 3 hrs
- CLP 3302 Clinical Psychology or 3 hrs
- EXP 3250 Principles of Human Factors Psychology or 3 hrs
- INP 3004C Industrial/Organizational Psychology 3 hrs

F. Psychology Electives 9 hrs
- Select three additional courses taught by the Psychology department
- NOTE: The following courses will NOT fulfill this requirement.
- INP 3141C Advanced Applied Psychology or 1 hr
- INP 3951 Industrial/Organizational Field Work or 3 hrs

PSY 3905 Directed Independent Study or 1 hr
PSY 4906 Directed Independent Study or 1 hr
PSY 4912 Directed Independent Research or 1 hr
1 PSY 3951 Undergraduate Field Work 1 hr

G. Math/Science Electives: Select two of the following: 6 hrs
- Students must meet the course prerequisites for any course they select. See course listing for prerequisites
- ANT 2511 The Human Species or 3 hrs
- PSC 1121 Physical Science or 3 hrs
- PHY 2053C College Physics I or 4 hrs
- CHM 1020 Concepts in Chemistry or 3 hrs
- COP 3223 Introduction to Programming with C or 3 hrs
- COP 3502C Computer Science I or 3 hrs
- COP 3503C Computer Science II or 4 hrs
- MAC 2233 Concepts of Calculus or 3 hrs
- MAC 2253 Applied Calculus I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- STA 4102 Computer Processing of Statistical Data or 3 hrs
- STA 4163 Statistical Methods II or 3 hrs
- STA 4164 Statistical Methods III or 3 hrs
- BSC 1060 Biology and Environment or 3 hrs
- BSC 2011C Biology II or 4 hrs
- BSC 4312C Marine Biology or 4 hrs
- PCB 3063 Genetics or 3 hrs
- ENV XXXX Any ENV prefix course or 3 hrs
- GEO XXXX Any GEO prefix course or 3 hrs
- MCB XXXX Any MCB prefix course or 3 hrs
- ZOO XXXX Any ZOO prefix course 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
   Admissions
- None
   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 course in the CPP, core requirements, restricted electives and science electives (sections 2-5).
- Maintain a minimum overall psychology GPA of 2.0.
- Before applying to graduate, the CLAS must be completely satisfied.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the 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
Junior Year - Spring 16 hrs
PSY 4903H Honors Directed Reading I 3 hrs
PSY 4970H Undergraduate Honors Thesis 3 hrs

Related Programs
- Sociology
- Anthropology
- Statistics
- Criminal Justice

Certificates
- Behavioral Forensics

Related Minors
- Psychology
- Sociology
- Anthropology
- Mathematics
- Statistics

Advising Notes
- Visit the Psychology Advising Center (PSY 250); walk-in advising available M, T, R, F from 9 to 5.
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions for common program prerequisites are acceptable if taken prior to transferring to UCF:
  - Biology: any lower level BSC course or ZOO X010 will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, the advanced course is a prerequisite for some courses.
  - Statistics: any lower level STA course will satisfy the CPP. However, the course is required in the core and still must be taken. In addition, they are prerequisites for some courses.
  - DEP 2004; any lower level psychology course will fulfill the CPP. However, since this course satisfies the CPP as well as psychology restricted elective SC, students are advised to select it to satisfy their CPP.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
PSY 2012 General Psychology 3 hrs
GEP 3 hrs
GEP 3 hrs
Math 3 hrs

Freshman Year - Spring 15 hrs
ENC 1102 Composition II 3 hrs
GEP 3 hrs
Elective / Minor 3 hrs
Biology 3 hrs
Statistics 3 hrs

Sophomore Year - Fall 16 hrs
Restrictive Elective 3 hrs
DEP 2004C Developmental Psychology 3 hrs
GEP 3 hrs
GEP 3 hrs
Foreign Language 4 hrs

Sophomore Year - Spring 14 hrs
Restrictive Elective 3 hrs
Restrictive Elective 3 hrs
Foreign Language 4 hrs
GEP 3 hrs

Junior Year - Fall 16 hrs
PSB 3002 Physiological Psychology 3 hrs
PSY 3204C Statistical Methods in Psychology 4 hrs
Restrictive Elective 3 hrs
Restrictive Elective 3 hrs
Elective / Minor 3 hrs

Public Administration (B.A. / B.S.)
Department of Public Administration, Health and Public Affairs II, Room: 238
http://www.cohpa.ucf.edu/pubadm/
Dr. Michael Abels, pa/ba/bs@mail.ucf.edu
407-823-2604

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Students should consult with a departmental advisor on a regular basis.
- The courses designated in sections 1 and 2 below may be taken at a Florida community college and should usually be completed in the first 60 hours.
- Students must earn at least a “C” (2.0) in each course accepted as a common program prerequisite and Core Requirement (see sections 2 and 3 below).
- No transfer course will be accepted with a grade lower than a “C” (2.0).
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should usually be completed in the first 60 hours.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
  Suggested: SPCH 1000 Introduction to Communication

B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (6 hrs)
  Required: CS 1060C Introduction to Computer Science

Select 1:
  Suggested: MAC 1105C College Algebra or
  Suggested: MGF 1106 Finite Mathematics or
  Suggested: MGF 1107 Explorations in Mathematics

D: Social Foundations (6 hrs)
  Suggested: POS 2041 American National Government
UCF Degree Programs

Select 1: 3 hrs
  Suggested PSY 2012 General Psychology or 3 hrs
  Suggested SYG 2000 Introduction to Sociology or 3 hrs
  Suggested ANT 2000 General Anthropology 3 hrs

E: Science Foundations (6 hrs)
  2. Common Program Prerequisites (CPP) (3 hrs)
      See "Common Prerequisites" in the Transfer and Transition Services section
      ECO 2013 Principles of Macroeconomics 3 hrs
      CGS 1060C Introduction to Computer Science GEP
      POS 2041 American National Government GEP

3. Core Requirements: Basic Level
   None

4. Core Requirements: Advanced Level (21 hrs)
   PAD 3003 Public Administration in American Society 3 hrs
   PAD 4034 The Administration of Public Policy 3 hrs
   PAD 4104 Administrative Theory 3 hrs
   PAD 4204 Fiscal Management 3 hrs
   PAD 4414 Public Personnel Administration 3 hrs
   PAD 4720 Survey Research in Public Administration 3 hrs
   PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

B.A./B.S. Option 6 hrs
   Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level.
   Students pursuing the B.S. degree must complete two additional upper level technical courses (six credit hours) from a list approved by the Department.

5. Restricted Electives (39 hrs)
   Public Administration electives are required as follows:
   PAD majors must complete at least 21 hrs of PAD prefixed electives at the 3000 level or higher.
   Additional electives can be taken from other allied supporting fields such as accounting, legal studies, communications, computer science, criminal justice, economics, political science, social work, sociology, and statistics. Courses should be selected with the assistance of an advisor, and must be upper division (3000-4000 level).
   Those who complete a recognized UCF minor in a discipline outside Public Administration must take a minimum of 18 hrs PAD prefixed electives.
   Double Majors, those who complete a PAD major, and those of another UCF major, must take a minimum of 15 hrs PAD prefixed electives.

6. Capstone Requirements
   None

7. Foreign Language Requirements
   Admissions
   • Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation
   Graduation
   • Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year at the college level, beyond University requirement

8. Electives
   None

9. Additional Requirements
   None

10. Required Minors
   None

11. Departmental Exit Requirements
    • The students must attain a minimum grade of "C" (2.0) in all Common Program Prerequisites courses and in all Core Requirements (see sections 2 and 3 above).
    • An overall 2.0 GPA must be attained for all coursework (see sections 1, 2, 3, and 4).

12. University Minimum Exit Requirements
    • A 2.0 UCF GPA
    • 60 semester hours earned after CLEP awarded
    • 48 semester hours of upper division credit completed
    • 30 of the last 39 hours of course work must be completed in residency at UCF

    • A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    • Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
   120

Honors in Major
   None

Related Programs
   • Accounting
   • Interpersonal/Organizational Communication
   • Economics
   • Legal Studies
   • Computer Science
   • Social Work
   • Political Science
   • Criminal Justice
   • Health Services Administration
   • Management

Certificates
   • Nonprofit Management

Related Minors
   • Business
   • Economics
   • Political Science
   • Legal Studies
   • Criminal Justice
   • Urban and Regional Planning
   • Non-Profit Management/American Humanities National Certification Program
   • Emergency Management and Homeland Security

Advising Notes
   None

Transfer Notes
   • Intro to Computer Science (CGS 1060C) or any Computer Science course (3 credits)
   • Economics I (ECO 2013) or any Macroeconomics course (3 credits)
   • American National Government (POS 2041) or any course in American National Government (3 credits)

Acceptable Substitutes for Transfer Courses
   None

Plan of Study
   • *This can be taken in any of the following combinations: 6 hrs of PAD Internship; 6 hrs of PAD Electives; or 3 hrs of PAD Internship and 3 hrs of PAD Electives

Freshman Year - Fall 14 hrs
   ENC 1101 Composition I 3 hrs
   CGS 1060C Introduction to Computer Science 3 hrs
   POS 2041 American National Government 3 hrs
   PAF 2102 Public Affairs Careers 2 hrs
Select 1: 3 hrs
   ARH 2050 History of Western Art I or 3 hrs
   ARH 2051 History of Western Art II or 3 hrs
   MUL 2100 Enjoyment of Music or 3 hrs
   REL 2300 World Religions or 3 hrs
   PHI 2010 Introduction to Philosophy or 3 hrs
   THE 2000 Theatre Survey or 3 hrs
   LIT 2110 World Literature I or 3 hrs
   LIT 2120 World Literature II 3 hrs

Freshman Year - Spring 15 hrs
   ENC 1102 Composition II 3 hrs
   MGF 1106 Finite Mathematics 3 hrs
Select 1: 3 hrs
   PSY 2012 General Psychology or 3 hrs
   SYG 2000 Introduction to Sociology or 3 hrs
   ANT 2000 General Anthropology 3 hrs
Select 1: 3 hrs
   CHM 1020 Concepts in Chemistry or 3 hrs
   PSC 1121 Physical Science or 3 hrs
   AST 2002 Astronomy or 3 hrs
Free Elective 3 hrs
Sophomore Year - Fall
- Select 1:
  - ECU 1000 Principles of Macroeconomics 3 hrs
- Select 1:
  - U.S. History: 1492-1877 or WOH 1001 World Civilization I 3 hrs
- Sophomore Year - Fall
  - Select 1:
    - U.S. History: 1492-1877 or WOH 1001 World Civilization I 3 hrs
  - Junior Year - Fall
    - Select 1:
      - U.S. History: 1492-1877 or WOH 1001 World Civilization I 3 hrs
  - Senior Year - Fall
    - Select 1:
      - U.S. History: 1492-1877 or WOH 1001 World Civilization I 3 hrs
- Junior Year - Spring
  - Select 1:
    - U.S. History: 1492-1877 or WOH 1001 World Civilization I 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.ocs.ucf.edu/alc/academic_learning_compacts.htm

Radio - Television (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
E-mail: radiotv@mail.ucf.edu
Dr. W. Joe Hall, Area Coordinator, whall@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
407-923-2081

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

Radio - Television (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu/
E-mail: radiotv@mail.ucf.edu
Dr. W. Joe Hall, Area Coordinator, whall@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
407-923-2081

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

Radio - Television (B.A.)
College of Sciences
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Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
407-923-2081

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.

Radio - Television (B.A.)
College of Sciences
Nicholson School of Communication, NSC, Room: 143
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Dr. W. Joe Hall, Area Coordinator, whall@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
407-923-2081

Admission Requirements
- Students should apply to become Radio-Television majors only after completing all requirements for admission.
**UCF Degree Programs**

**D: Social Foundations**  
(6 hrs)  
- Prefer POS 2041 American National Government 3 hrs  
- Select a listed course 3 hrs

**E: Science Foundations**  
(6 hrs)

**2. Common Program Prerequisites (CPP)**  
- None  
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

**3. Core Requirements: Basic Level**  
(12 hrs)  
- These courses may be taken before applying to the major.  
  - MMC 3200 Mass Communication Law 3 hrs  
  - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs  
  - RTV 3200 Production Fundamentals and Aesthetics of Electronic Media 3 hrs  
  - RTV 4403 Electronic Media, Technology, and Society 3 hrs

**Select 1:**  
- SPC 1603 Fundamentals of Technical Presentations or SPC 1608 Fundamentals of Oral Communication GEP

**4. Core Requirements: Advanced Level**  
(6 hrs)  
- These courses are only available to students who have been accepted into the major.  
  - MMC 3420 Mass Media Research Methods 3 hrs  
  - RTV 2102 Writing for the Electronic Media 3 hrs

**5. Restricted Electives**  
- Specialization: Select one area and complete the credit hours required by that specialization.

**A. Production**  
18 hrs  
Select from the following:  
- RTV 3210C Audio Production I or 3 hrs  
- RTV 3228C Studio Television Production or 4 hrs  
- RTV 3233C Lighting for Video or 3 hrs  
- RTV 3260C Single Camera Video Production and Editing or 4 hrs  
- RTV 3263C Advanced Video Post-Production or 3 hrs  
- RTV 3283C Production of Interactive Multimedia or 3 hrs  
- RTV 4211C Audio Production II or 3 hrs  
- RTV 4280C Webcasting I or 3 hrs  
- RTV 4281C Webcasting II or 3 hrs  
- RTV 4290C Television Directing or 3 hrs  
- RTV 4271C Radio Production and Programming or 3 hrs  
1 RTV 3942L Practicum or 3 hrs  
1 RTV 4941 Internship 1 hr

1 May only apply a maximum of 3 hours to the requirement.

**B. Broadcast Journalism**  
22 hrs  
Complete all of the following:  
- MMC 4802 Contemporary Media Issues and 3 hrs  
- RTV 3260C Single Camera Video Production and Editing 3 hrs  
- RTV 3301 Electronic Journalism I and 3 hrs  
- RTV 3304 Electronic Journalism II and 3 hrs  
- RTV 4320C Television News 4 hrs

Select from the following:  
- JOU 3004 History of American Journalism or 3 hrs  
- RTV 3234C Broadcast Announcing and Performance or 3 hrs  
- RTV 4322C Advanced TV News or 3 hrs  
- RTV 4700 Regulation of Broadcasting or 3 hrs  
1 RTV 4906 Directed Independent Study or 1 hr  
1 RTV 4941 Internship 1 hr

1 May only apply a maximum of 3 hours to the requirement.

**C. Broadcast Generalist**  
18 hrs  
Select from the following:  
- ADV 4103 Radio-Television Advertising or 3 hrs  
- CMC 4240 Corporate/Institutional Video or 3 hrs  
- COM 3330 Computer Mediated Communication or 3 hrs  
- MMC 4263 New Media Technologies or 3 hrs  
- RTV 3234C Broadcast Announcing and Performance or 3 hrs  
- RTV 4271C Radio Production and Programming or 3 hrs  
- RTV 4700 Regulation of Broadcasting or 3 hrs  
- RTV 4800 Broadcast Management or 3 hrs  
1 RTV 4941 Internship 1 hr

Select from the following:  
- ADV 3008 Principles of Advertising or 3 hrs  
- COM 3110 Business and Professional Communication or 3 hrs  
- ENC 3250 Professional Writing or 3 hrs  
- PUR 4000 Public Relations or 3 hrs  
- RTP 4503 Sports Programming in Electronic Media 3 hrs

1 May only apply a maximum of 3 hours to the requirement.

**6. Capstone Requirements**  
- None

**7. Foreign Language Requirements**  
**Admissions**  
- Met by graduation requirement.

**Graduation**  
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.
- Eight credits of American Sign Language (ASL) can satisfy this requirement for students graduating under this catalog; however it will not count toward the 65 hour Liberal Arts requirement. Consult with the NSC advising staff to understand how choosing ASL impacts hours needed to graduate.

**8. Electives**  
- Select primarily from upper level courses, with school advisor’s approval. Must be from outside of the school in order to not exceed the 40 credit hour cap. The majority of electives should be taken in the Liberal Arts to comply with the 65 hour Liberal Arts requirement.

**9. Additional Requirements**  
- None

**10. Required Minors**  
- Radio-Television majors must complete a minor of at least 18 hours in an academic area outside the Nicholson School of Communication.
- The following minors are suggested to complement the R-TV major, but any minor except those in the Nicholson School of Communication, may be taken:
  - Digital Media  
  - Film - Cinema Studies  
  - Writing and Rhetoric  
  - Political Science  
  - Sociology  
  - Theatre

**11. Departmental Exit Requirements**  
- To avoid delaying graduation, you must request a review of requirements before registering for your last term.
- Achieve an overall “C” GPA (2.0) in UCF Radio-TV courses used to satisfy the major.
- Before applying to graduate, the CLAS must be completely satisfied.

**12. University Minimum Exit Requirements**  
- A 2.0 UCF GPA  
- 60 semester hours earned after CLEP awarded  
- 48 semester hours of upper division credit completed  
- 30 of the last 39 hours of course work must be completed in residency at UCF  
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**  
- 120

**Honors In Major**  
- None

**Related Programs**  
- Advertising-Public Relations  
- Digital Media
Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Free Elective 3 hrs
- Free Elective 3 hrs

Sophomore Year - Spring 14 hrs
- RTV 2102 Writing for the Electronic Media 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Sophomore Year - Fall 16 hrs
- MMC 3200 Mass Communication Law 3 hrs
- Foreign Language 4 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- RTV 4403 Electronic Media, Technology, and Society 3 hrs

Junior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- GEP 3 hrs
- GEP 3 hrs
- Elective / Minor 3 hrs
- RTV 2102 Writing for the Electronic Media 3 hrs

Junior Year - Spring 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Senior Year - Fall 15 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Real Estate (B.S.B.A.)
College of Business Administration
Dr. P. Phillips School of Real Estate,
Business Administration I, Room: 427
Students seeking advising will need to go to BA 2 room 101.
http://web.bus.ucf.edu/realestate/
407-823-3575

Not eligible for a double degree with another College of Business Administration major.

Admission Requirements
- Completion of the UCF General Education Program, Gordon Rule, and CLAS or an AA degree from a Florida public community college
- See Common Program Prerequisites

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Only grades of "C" (2.0) or higher transfer into the program and students must have a "C" (2.0) or better in each common program prerequisites class.
- Final exams will be given during exam week.
- Any student receiving a business degree must complete one half (30) of the 60 hours of upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- A minimum of 6 hours of required or elective coursework (from required courses and restricted electives below) can count toward another major or minor degree program.
- Students majoring in Real Estate must earn a grade of "C" (2.0) or better in each course applied toward the major, and a 2.0 overall average in the minor.
- Students must earn at least a 2.0 GPA in the major and CBA.
- Students wanting to major in real estate must apply for admission to the major.

1. UCF General Education Program (GEP) (36 hrs)
A: Communication Foundations (9 hrs)
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required MAC 1140 Pre-Calculus Algebra 3 hrs
- Required CGS 2100C Computer Fundamentals for Business 3 hrs

D: Social Foundations (6 hrs)
Select 1: (6 hrs)
- Suggested ECO 2013 Principles of Macroeconomics or
- Suggested ECO 2023 Principles of Microeconomics 3 hrs

E: Science Foundations (6 hrs)
- Suggested PSY 2012 General Psychology or
- Suggested SYG 2000 Introduction to Sociology or
- Suggested ANT 2000 General Anthropology 3 hrs

Restricted Elective 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
Elective / Minor 3 hrs
## UCF Degree Programs

### 2. Common Program Prerequisites (CPP) (18 hrs)
- Must be completed with a "C" (2.0) or better.
- See Common Prerequisites in the Transfer and Transition Services section for more information.

- ACG 2021 Principles of Financial Accounting 3 hrs
- ACG 2071 Principles of Managerial Accounting 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- CGS 2100C Computer Fundamentals for Business 3 hrs

### 3. Core Requirements: Basic Level (32 hrs)
- First or subsequent semester in the College of Business Administration:
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - GEB 3375 Introduction to International Business 4 hrs
  - BUL 3130 Legal and Ethical Environment of Business 4 hrs
  - ECO 3411 Quantitative Business Tools II 4 hrs
  - FIN 3403C Business Finance 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - MAR 3023 Marketing 4 hrs
  - GEB 3031L Cornerstone Lab: Professional Skills for Business 1 hr
  - MAR 3203 Supply Chain Management 4 hrs

1. Required in 1st or 2nd semester

### 4. Core Requirements: Advanced Level (9 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs

### 5. Restricted Electives (15 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
  - REE 4903H Honors Directed Readings I 1 hr
  - REE 4933 Advanced Topics in Real Estate 3 hrs

1. Must be accepted into the UCF Honors in the Major program. See http://www.honors.ucf.edu/ for details.

### 6. Capstone Requirements (4 hrs)
- MAN 4720 Strategic Management 4 hrs
- This course should be taken in the graduating term and requires the following prerequisites:
  - GEB 3031 Cornerstone: Professional Skills for Business 3 hrs
  - MAR 3023 Marketing 4 hrs
  - MAN 3025 Management of Organizations 4 hrs
  - FIN 3403C Business Finance 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.

### 8. Electives
- None

### 9. Additional Requirements
- None
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

C: Mathematical Foundations (6 hrs)
- Prefer: MGF 1106 Finite Mathematics 3 hrs
- Prefer: STA 1000C 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
- HUM 2210 Humanistic Tradition I GEP
- HUM 2230 Humanistic Tradition II GEP
- REL 2300 World Religions GEP

4. Core Requirements: Advanced Level
- Foundations in the Study of Religion and Humanities 9 hrs
- Religion 6 hrs
- Humanities and Classics 3 hrs
- Traditions: Religion in a Global World 9 hrs

Select 1:
- JST 3401 Jewish People in Antiquity or 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs

Select 2:
- Native American Religions or 3 hrs
- Asian Humanities or 3 hrs
- Hindu Thought and Culture or 3 hrs
- Islamic Thought and Culture or 3 hrs
- Christian Thought or 3 hrs
- Moses, Jesus and Muhammad or 3 hrs
- Buddhist Thought 3 hrs

Applications: Topics and Issues in the Study of Religion 6 hrs

Select 2:
- PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
- REL 3115 Religion, Spirituality, and Popular Music 3 hrs
- REL 3111 Religion and Philosophy Through Film or 3 hrs
- REL 3432 Roots of Western Mysticism or 3 hrs
- REL 4554 Religious Quest and Human Dilemma or 3 hrs
- REL 4303 The Spiritual Ideal or 3 hrs
- PHI 3672 Animal Ethics or 3 hrs
- REL 4180 Religion and Medicine 3 hrs

5. Restricted Electives (9 hrs)
- Select three courses from the following list and/or the Core list above if not being used to fulfill Core Requirements:
- Note: Relevant new or special topics courses in philosophy, humanities, or other relevant areas may be substituted for some required courses with prior approval by department advisor.

Select 3:
- REL 4941 Internship or 1 hr
- Contemporary Multicultural Studies or 3 hrs
- The Classical Ideal or 3 hrs
- Performance Theory or 3 hrs
- Philosophies of Embodiment: Mind/Body/Self or 3 hrs

Religious Studies (B.A.)
College of Arts and Humanities
Department of Philosophy, Psychology Building,
Room: 220
http://www.philosophy.ah.ucf.edu
E-mail: religion@mail.ucf.edu
Dr. Sabatino DiBernardo, sdbema@mail.ucf.edu, 407-823-2273

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Co-op or internship credit cannot be used in this major without prior approval by the chair.
- Students must earn at least a “C” (2.0) in each required course.
- Students should consult with a departmental advisor.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Philosophy Department.
- Courses designated in 1 (General Ed Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
- No more than 3 courses (i.e. 9 credit hours) of 3000 or 4000 level courses applied to the B.A. in Religious Studies may be simultaneously applied to fulfill another major.

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

PHI 3629  Family Values or  3 hrs
PHI 3638  Ethical Issues in the 21st Century or  3 hrs
PHI 3684  Ways of Living or  3 hrs
PHM 3020  Philosophy of Love or  3 hrs
PHI 4341  Ways of Knowing or  3 hrs
PHI 4804  Critical Theory or  3 hrs
PHM 3100  Freedom and Justice or  3 hrs
PHP 3786  Existentialism or  3 hrs
AML 3615  Harlem, Haiti, and Havana or  3 hrs
ASH 3222  Islam and Its Empires or  3 hrs
ASH 3223  The Modern Middle East or  3 hrs
JST 3100  The Hebrew Creative Mind or  3 hrs
JST 3125  The Book of Job or  3 hrs
JST 3144  Dead Sea Scrolls or  3 hrs
JST 3450  Modern Jewish Experience or  3 hrs
JST 3550  Introduction of Modernism into Judaism or  3 hrs
JST 3701  History of the Holocaust or  3 hrs
JST 3751  Literature of the Holocaust or  3 hrs
JST 3810  The Jewish National Movement and Roots of Zionism or  3 hrs
LIT 4374  Literature of the Bible or  3 hrs
LIT 3202  Death and Dying  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.
    ■ 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 4070H Undergraduate Honors Thesis  1 hr
      - REL 4910 Senior Research Seminar  3 hrs
      - STA 1060C Basic Statistics Using Microsoft Excel  3 hrs
    ■ Must Take:
      - REL 4910 Senior Research Seminar  3 hrs

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in residency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
■ 120

Honors in Major
■ Students considering graduate school in Religious Studies are strongly encouraged to take Honors in the Major.
■ Requirements are as follows:
  Core, Elective Requirements, and Senior Seminar  36 hrs
  ■ Same requirement as for regular majors
  Honors Thesis  6 hrs
   - REL 4903H Honors Directed Readings I  3 hrs
   - REL 4970H Undergraduate Honors Thesis  3 hrs

Additional Requirements
■ Application and admission through the Humanities Honors Coordinator and the Burnett Honors College.
■ Fulfill University requirements for Honors in the Major.
■ Maintain a UCF GPA of at least 3.2 and a Religious Studies GPA of at least 3.5.
■ Successful completion and oral defense of Honors Thesis.
■ Earn a “B” (3.0) or better in both of the following:
  - REL 4903H Honors Directed Readings I  3 hrs
  - REL 4970H Undergraduate Honors Thesis  3 hrs

Related Programs
■ Interdisciplinary Studies
■ Philosophy
■ Humanities
■ Certificates
■ None

Related Minors
■ Humanities
■ Judaic Studies
■ Philosophy
■ Religious Studies

Advising Notes
■ None

Transfer Notes
■ Courses taken at community colleges do not substitute for Upper Division courses.
■ Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
Freshman Year - Fall  16 hrs
   - ENC 1101 Composition I  3 hrs
   - HUM 2210 Humanistic Tradition I  3 hrs
   - MGF 1106 Finite Mathematics  3 hrs
   - REL 2300 World Religions  3 hrs
   - SPN 1120C Elementary Spanish Language and Civilization I  4 hrs

Freshman Year - Spring  16 hrs
   - ENC 1102 Composition II  3 hrs
   - HUM 2230 Humanistic Tradition II  3 hrs
   - STA 1060C Basic Statistics Using Microsoft Excel  3 hrs
   - Restricted Elective  3 hrs
   - SPN 1121C Elementary Spanish Language and Civilization II  4 hrs

Sophomore Year - Fall  15 hrs
   - GEP  3 hrs
   - GEP  3 hrs
   - GEP  3 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs

Sophomore Year - Spring  15 hrs
   - GEP  3 hrs
   - GEP  3 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs

Junior Year - Fall  15 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs

Junior Year - Spring  15 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs

Senior Year - Fall  15 hrs
   - Restricted Elective  3 hrs
   - Restricted Elective  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
Select 1: 3 hrs
Hospitality Core Requirements 34 hrs
REL 3340  Buddhist Thought 3 hrs

Senior Year - Spring 15 hrs
REL 4910  Senior Research Seminar 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs
Restricted Elective 3 hrs

Program Academic Learning Compacts

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
407-903-8000

Admission Requirements
None

Degree Requirements

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   C: Mathematical Foundations (6 hrs)
   Required  MAC 1105C  College Algebra  3 hrs
   Select 1:
   Required  CGS 2100C  Computer Fundamentals for Business or 3 hrs
   Required  STA 2023  Statistical Methods I  3 hrs

D: Social Foundations (6 hrs)
Select 1:
Required  ECO 2013  Principles of Macroeconomics or 3 hrs
Required  ECO 2023  Principles of Microeconomics  3 hrs
Select 1:
Required  PSY 2012  General Psychology or 3 hrs
Required  SYG 2000  Introduction to Sociology or 3 hrs
Required  ANT 2000  General Anthropology  3 hrs

E: Science Foundations (6 hrs)
2. Common Program Prerequisites (CPP) (3 hrs)
   1 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 1105C  College Algebra  GEP
   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  3 hrs

4. Core Requirements: Advanced Level (55 hrs)
   Hospitality Core Requirements 34 hrs
   FSS 221C  Techniques of Food Preparation  4 hrs
   HFT 2401  Hospitality Industry Financial Accounting  3 hrs
   HFT 2500  Hospitality and Tourism Marketing  3 hrs
   HFT 2220  Hospitality Human Resources Management  3 hrs
   HFT 3444  Hospitality Information Systems  3 hrs
   HFT 3603  Legal Environment in the Hospitality and Tourism Industry 3 hrs
   HFT 3341  Hospitality Industry Managerial Accounting  3 hrs
   HFT 3540  Guest Services Management I  3 hrs
   HFT 4464  Hospitality Industry Finance  3 hrs
   HFT 4286  Hospitality Communications  3 hrs
   HFT 4285  Leadership and Strategic Management in Hospitality Industry 3 hrs

Internships
HFT 3940  Internship  1 hr
HFT 4941  Internship  1 hr
HFT 4944  Practicum  1 hr

Restaurant Management Core 18 hrs
FSS 3124  Supply and Procurement Management  3 hrs
HFT 3263  Restaurant Management  3 hrs
HFT 3574  Food Service Marketing Advertising and Promotion Management 3 hrs
HFT 4457  Food, Beverage, and Labor Cost Controls  3 hrs
HFT 4861C  Beverage Management  3 hrs
HFT 4844  Sanitation in the Food Service Industry  3 hrs

5. Restricted Electives (15 hrs)
Select 5:
   FSS 3008  Culture and Cuisine or 3 hrs
   FSS 4135  Corporate Contract and Managed Services Organizations or 3 hrs
   FSS 4286C  Catering and Banquet Organization or 3 hrs
   HFT 3654  Franchising in the Restaurant Industry or 3 hrs
   HFT 3656  History and Culture of Wine or 3 hrs
   HFT 4266  Restaurant Brand Management or 3 hrs
   HFT 4268  Case Studies in Restaurant Management or 3 hrs
   HFT 4261  Restaurant Leadership Strategies and Tactics or 3 hrs
   HFT 4343  Hospital Practice Planning and Design or 3 hrs
   HFT 4864  Seminar in Quality Brewing and Fine Beer or 3 hrs
   HFT 4866C  Exploring Wines of the World or 3 hrs
   HFT 4894  International Gastronomy or 3 hrs
   HUN 3013  Nutrition Concepts and Issues in the Food Service Industry 3 hrs

6. Capstone Requirements
None

7. Foreign Language Requirements
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 resi-
dency at UCF
A maximum of 45 hours of extension, correspondence, CLEP, Credit
by Exam, and Armed Forces credits permitted.
Complete the General Education Program, the Gordon Rule, the
CLAS and nine hours of Summer credit (if applicable)
UCF Degree Programs

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- None

Transfer Notes
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in UCF's Rosen College of Hospitality Management.
- Florida Public Community College students are encouraged to complete general education requirements, prior to transferring to UCF.
- A minimum of 30 semester hours must be completed at UCF within the Rosen College of Hospitality Management.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- Plan your required nine summer credit hours into your course of study.

Freshman Year - Fall 15 hrs

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<th>Course</th>
<th>Title</th>
<th>Hrs</th>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
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<tr>
<td>HFT 1000</td>
<td>Introduction to the Hospitality and Tourism Industry</td>
<td>3</td>
</tr>
<tr>
<td>CGS 2100C</td>
<td>Computer Fundamentals for Business</td>
<td>3</td>
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Select 1: 3 hrs

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<td>PSY 2012</td>
<td>General Psychology or</td>
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<td>SYG 2000</td>
<td>Introduction to Sociology or</td>
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<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
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Sophomore Year - Fall 15 hrs

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<th>Course</th>
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<td>Hospitality Industry Financial Accounting</td>
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<td>HFT 2220</td>
<td>Hospitality Human Resources Management</td>
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<tr>
<td>HFT 3263</td>
<td>Restaurant Management</td>
</tr>
</tbody>
</table>

Select 1: 3 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 2013</td>
<td>Principles of Macroeconomics or</td>
</tr>
<tr>
<td>ECO 2023</td>
<td>Principles of Microeconomics</td>
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</tbody>
</table>

Sophomore Year - Spring 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>HFT 2500</td>
<td>Hospitality and Tourism Marketing</td>
</tr>
<tr>
<td>HFT 3444</td>
<td>Hospitality Information Systems</td>
</tr>
<tr>
<td>SSS 3124</td>
<td>Supply and Procurement Management</td>
</tr>
<tr>
<td>ANT 2511</td>
<td>The Human Species</td>
</tr>
</tbody>
</table>

Junior Year - Fall 12 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 3540</td>
<td>Guest Services Management I</td>
</tr>
<tr>
<td>HFT 3431</td>
<td>Hospitality industry Managerial Accounting</td>
</tr>
<tr>
<td>HFT 3574</td>
<td>Food Service Marketing Advertising and Promotion Management</td>
</tr>
<tr>
<td>HFT 3603</td>
<td>Legal Environment in the Hospitality and Tourism Industry Internship</td>
</tr>
</tbody>
</table>

Junior Year - Spring 13 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>HFT 4457</td>
<td>Food, Beverage, and Labor Cost Controls</td>
</tr>
<tr>
<td>HFT 4844</td>
<td>Sanitation in the Food Service Industry</td>
</tr>
<tr>
<td>HFT 4861C</td>
<td>Beverage Management</td>
</tr>
<tr>
<td>HFT 4941</td>
<td>Internship</td>
</tr>
</tbody>
</table>

Senior Year - Fall 16 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4286</td>
<td>Hospitality Communications</td>
</tr>
<tr>
<td>HFT 4944</td>
<td>Practicum</td>
</tr>
<tr>
<td>HFT 4464</td>
<td>Hospitality Industry Finance</td>
</tr>
</tbody>
</table>

Senior Year - Spring 15 hrs

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>HFT 4295</td>
<td>Leadership and Strategic Management in Hospitality Industry</td>
<td>3</td>
</tr>
</tbody>
</table>

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
- http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Science Education - Biology (B.S.)

College of Education

School of Teaching, Learning, and Leadership, Education Building, Room: 209

http://education.ucf.edu/science/

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
407-823-2561

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of “C-” (1.75) or better.
- Meet the Gordon Rule Requirement
- Meet Foreign Language Admission Requirement

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses.
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)

- Note: Students are advised to take the preferred courses.

A: Communication Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required ENC 1101</td>
<td>Composition I</td>
<td>3</td>
</tr>
<tr>
<td>Required ENC 1102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>Prefer SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td></td>
</tr>
<tr>
<td>Prefer MAC 1105C</td>
<td>College Algebra</td>
<td></td>
</tr>
</tbody>
</table>

B: Cultural & Historical Foundations (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer AMH 2010</td>
<td>U.S. History: 1492-1877</td>
<td>3</td>
</tr>
<tr>
<td>Prefer AMH 2020</td>
<td>U.S. History: 1877-Present</td>
<td>3</td>
</tr>
<tr>
<td>Prefer PHI 2100</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

C: Mathematical Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel or</td>
<td></td>
</tr>
<tr>
<td>Prefer STA 1014C</td>
<td>Principles of Statistics</td>
<td></td>
</tr>
</tbody>
</table>

D: Social Foundations (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prefer POS 2041</td>
<td>American National Government</td>
<td>3</td>
</tr>
<tr>
<td>Prefer PSY 2012</td>
<td>General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

E: Science Foundations (7 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required PSC 1121</td>
<td>Physical Science</td>
<td>3</td>
</tr>
<tr>
<td>Required BSC 2010C</td>
<td>Biology I</td>
<td>4</td>
</tr>
</tbody>
</table>

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.
EDE 2005 Introduction to the Teaching Profession 3 hrs
EDE 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs

1 In addition to this course, a minimum of 6 hours with an international or diversity focus is required. The foreign language admission requirement may be used to meet this requirement.

3. Core Requirements: Basic Level (12 hrs)
   - Transfer Notes: Courses taken at community colleges may substitute for select courses in this section with the permission of the department.
   - EDF 2130 Child and Adolescent Development for Educators 3 hrs
   - BSC 2010C Biology I GEP
   - BSC 2011C Biology II 4 hrs
   - CHM 2045C Chemistry Fundamentals I 4 hrs
   - PSC 1121 Physical Science GEP
   - SCE 1121L Physical Science Lab 1 hr

4. Core Requirements: Advanced Level (62 hrs)
   - Education Core Requirements 18 hrs
     - Program Internship I Prerequisites: EDF 4410, TSL 4080 and at least 50% of all required biology courses must be completed prior to Internship I with a minimum grade of a “C-“ (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship I.
     - Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL
   - Students in Schools.
     - EDF 4467 Learning Theory and Assessment 3 hrs
     - EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
     - EDG 4410 Teaching Strategies and Classroom Management 3 hrs
     - EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
     - RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs
     - TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Internship I Block 7 hrs
   - Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
   - Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexper/
   - SCE 4360 Science Instructional Analysis 4 hrs
   - SCE 3940 Internship 3 hrs

Specialization Requirements 25 hrs
   - CHM 2205 Introduction to Organic and Biochemistry 5 hrs
   - CHM 2046 Chemistry Fundamentals II 3 hrs
   - CHM 2046L Chemistry Fundamentals Laboratory 1 hr
   - PCB 3044 Principles of Ecology 3 hrs
   - PCB 3044L Principles of Ecology Laboratory 1 hr
   - MCB 3020C General Microbiology 5 hrs
   - SCE 4361 Programs in Teaching Science 3 hrs
   - Select 1: 4 hrs
     - PCB 3703C Human Physiology or 4 hrs
     - ZOO 3733C Human Anatomy or 4 hrs
     - PCB 3063 Genetics & PCB 3063L Genetics Lab 4 hrs

Internship II 12 hrs
   - At least 80% of all required biology courses and all methods courses must be completed with a letter grade of “C-“ (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization, and overall for admission to Internship II.
   - Passing score on the Subject Area Examination (Biology 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
   - 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/
   - Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.
   - SCE 4941 Internship 12 hrs

5. Restricted Electives
   - None
6. Capstone Requirements
   - None
7. Foreign Language Requirements
   - 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
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- PSY 2012 General Psychology 3 hrs

Freshman Year - Spring
- AMH 2020 U.S. History: 1877-Present 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
UCF Degree Programs

Science Education - Chemistry (B.S.)

College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/science/
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430
407-823-2561

Admission Requirements
- Complete the University General Education requirements or its equivalent, i.e. an AA degree from an approved Florida community college or state university
- Have a minimum 2.5 overall GPA
- Pass all four parts of the General Knowledge Test (no alternatives or waivers are accepted)
- Complete all Education Common Program Prerequisite courses with a minimum letter grade of "C-" (1.75) or better.
- Meet the Gordon Rule Requirement.
- Meet Foreign Language Admission Requirement.

Degree Requirements
- Students should see an advisor prior to registering for classes
- The courses designated in 1 (UCF General Education Program) and 2 (Education Common Program Prerequisites) should be completed prior to admission to the major and upper division education courses
- This is a state-approved, initial teacher preparation program designed in compliance with Florida Statutes and State Board of Education Rule 6A-5.066. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP) (37 hrs)
- 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 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs
- Prefer STA 2041 American National Government 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required PSC 1121 Physical Science 3 hrs
- Required MAC 1114 College Trigonometry 3 hrs
- Required MAC 1115 College Calculus I 4 hrs
- Required MAC 2233 Calculus II 3 hrs
- Required PSC 1121L Physical Science Lab 1 hr
- Required EDF 2085 Introduction to Diversity for Educators 3 hrs
- Required EDF 3608 Introduction to Technology for Educators 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.
- Required EDF 2005 Introduction to the Teaching Profession 3 hrs
- Required EDF 2085 Introduction to Diversity for Educators 3 hrs
- Required 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.

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.
- Required EDF 2130 Child and Adolescent Development for Educators 3 hrs
- Required 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.oears.ucf.edu/alc/academic_learning_compacts.htm
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 EOL.

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/clinicalxp/

Specialization Requirements 29 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/clinicalxp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the pre-professional level in accordance with State Board of Education Rule 6A-5.066.

Internship II 12 hrs

5. Restricted Electives

- None

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.

- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required 120

Honor In Major

- None

Related Programs

- None

Certificates

- None

Related Minors

- None

Advising Notes

- None

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Plan of Study (120 hrs)

- Recommended Four Year Sequence of Courses

Freshman Year - Fall

- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr
- SY 2012 General Psychology 3 hrs

Freshman Year - Spring

- ENC 1102 Composition II 3 hrs
- MAC 1114 College Trigonometry 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs

Freshman Year - Summer

- POS 2041 American National Government 3 hrs

Select 1:

- STA 2014C Principles of Statistics or 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

Sophomore Year - Fall

- EDF 2005 Introduction to the Teaching Profession 3 hrs
- BSC 2010C Biology I 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

- Recommended Four Year Sequence of Courses

Undergraduate Catalog 2011-2012
UCF Degree Programs

Sophomore Year - Spring
13 hrs

CHM 2046 Chemistry Fundamentals II 3 hrs
CHM 2046L Chemistry Fundamentals Laboratory 1 hr
EDF 2085 Introduction to Diversity for Educators 3 hrs
EME 2040 Introduction to Technology for Educators 3 hrs
1 EDF 2130 Child and Adolescent Development for Educators 3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Junior Year - Fall
16 hrs
EDF 4467 Learning Theory and Assessment 3 hrs
EDG 4410 Teaching Strategies and Classroom Management 3 hrs
EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
CHM 2210 Organic Chemistry I 3 hrs
CHM 3120 Analytical Chemistry 3 hrs
CHM 3120L Analytical Chemistry Laboratory 1 hr

Junior Year - Spring
14 hrs
CHM 2211 Organic Chemistry II 3 hrs
CHM 2211L Organic Laboratory Techniques I 2 hrs
CHS 3501 Introduction to Forensic Science 3 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
TSL 4080 Theory and Practice of Teaching ESOL Students in Schools 3 hrs

Senior Year - Fall
13 hrs
BCH 4053 Biochemistry I 3 hrs
EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
SCE 3940 Internship 3 hrs
SCE 4360 Science Instructional Analysis 4 hrs

Senior Year - Spring
12 hrs
SCE 4941 Internship 12 hrs

Program Academic Learning Compacts
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Science Education - Physics (B.S.)
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- 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

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- Students are advised to take the preferred courses.

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- 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 PHI 2010 Introduction to Philosophy 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs

C: Mathematical Foundations (7 hrs)
- Required MAC 2311 Calculus with Analytic Geometry I 4 hrs

Select 1: (3 hrs)
- Prefer 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)
- Required PSC 1121 Physical Science 3 hrs

Select 1: (3 hrs)
- Prefer ANT 2511 The Human Species or BSC 1005 Biological Principles 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.
- 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.

3. Core Requirements: Basic Level (8 hrs)
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PSC 1121 Physical Science GEP
- PSC 1121L Physical Science Lab 1 hr
- MAC 2311 Calculus with Analytic Geometry I GEP

4. Core Requirements: Advanced Level (66 hrs)

Education Core Requirements 18 hrs
- Program Internship I Prerequisites: EDG 4410, TSL 4080 and at least 50% of all required physics courses must be completed prior to Internship I with a minimum grade of "C-" (1.75) or better. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommend-ed as soon as possible after completing the following courses: EDF 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL

Students in Schools.
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
**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/clinicalexps/](http://www.education.ucf.edu/clinicalexps/).

**Specialization Requirements** 29 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 3 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 3101 Physics for Engineers and Scientists II 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

**Select 1:** 3 hrs
- PHY 3752C Physics of Scientific Instruments or
- PHY 3722C Physics Laboratory-Electronics 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 (Physics 6-12) portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at [http://www.education.ucf.edu/clinicalexps/](http://www.education.ucf.edu/clinicalexps/).
- 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.

SCE 4941 Internship 12 hrs

**5. Restricted Electives**
- None

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

**Admissions**
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

**8. Electives**
- None

**9. Additional Requirements**
- 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 minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honors in Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- None

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Plan of Study (120 hrs)**

**Freshman Year - Fall** 12 hrs
- AMH 2010 U.S. History: 1492-1877 3 hrs
- ENC 1101 Composition I 3 hrs
- PSY 2012 General Psychology 3 hrs

**Select 1:** 3 hrs
- STA 1060C Basic Statistics Using Microsoft Excel or
- STA 2014C Principles of Statistics 3 hrs

**Freshman Year - Spring** 16 hrs
- AMH 2020 U.S. History: 1877-Present 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs
- ENC 1102 Composition II 3 hrs
- PHI 2010 Introduction to Philosophy 3 hrs

**Freshman Year - Summer** 7 hrs
- POS 2411 American National Government 3 hrs
- MAC 2312 Calculus with Analytic Geometry II 4 hrs

**Sophomore Year - Fall** 14 hrs
- EDF 2085 Introduction to the Teaching Profession 3 hrs
- MAC 2313 Calculus with Analytic Geometry III 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSC 1121L Physical Science Lab 1 hr

**Select 1:** 3 hrs
- ANT 2511 The Human Species or
- BSC 1005 Biological Principles 3 hrs

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 - Spring** 13 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- EDF 2130 Child and Adolescent Development for Educators 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

**Sophomore Year - Summer** 4 hrs
- PHY 2048C Physics for Engineers & Scientists I 4 hrs

**Junior Year - Fall** 13 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- EEX 4242 Teaching Exceptional Students in Secondary Settings 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs

**TSL 4080** Theory and Practice of Teaching ESOL Students in Schools 3 hrs
UCF Degree Programs

Social Science Education (B.S.)

College of Education

School of Teaching, Learning, and Leadership,

Education Building, Room: 209

http://education.ucf.edu/ssed/

Dr. Scott Waring, ED 206J, swaring@mail.ucf.edu, 407-823-1766
Dr. Janet 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-5.66. Degree requirements are subject to change based on state mandates.

1. UCF General Education Program (GEP)

<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>ENC 1102</td>
<td>Composition II</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPC 1608</td>
<td>Fundamentals of Oral Communication</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 1060C</td>
<td>Basic Statistics Using Microsoft Excel or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>STA 2014C</td>
<td>Principles of Statistics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

2. Core Requirements: Basic Level (9 hrs)

Education Core Requirements 18 hrs
- Passing score on the Professional Education Test portion of the Florida Teacher Certification Examination (FTCE) is strongly recommended as soon as possible after completing the following courses: EDG 4410 Teaching Strategies and Classroom Management, EDF 4467 Learning Theory and Assessment, RED 4043 Content Reading Kindergarten through Grade 12, and TSL 4080 Theory and Practice of Teaching ESOL Students in Schools.
- Prior to Internship I, the student must have completed EDG 4410 Teaching Strategies and Classroom Management and at least 50% of all required social science courses indicated above with a letter grade of "C-" (1.75) or better prior to Internship I. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship I.
- EDG 4410 Teaching Strategies and Classroom Management | 3 hrs |
- EDF 4467 Learning Theory and Assessment | 3 hrs |
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools | 3 hrs |
- TSL 4080 Theory and Practice of Teaching ESOL Students in Schools | 3 hrs |
- EEX 4242 Teaching Exceptional Students in Secondary Settings | 3 hrs |
- RED 4043 Content Reading in Kindergarten through Grade 12 | 3 hrs |

Internship I Block 6 hrs
- Passing score on the General Knowledge Test portion of the Florida Teacher Certification Examination (FTCE) is required before application to Internship I.
- Students must apply and be approved for Internship I. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- SSE 4361 Social Science Instructional Analysis | 4 hrs |
- SSE 3940 Internship | 3 hrs |

Specialization Requirements 30 hrs
- GEO 3471 World Political Geography | 3 hrs |
- ECO 2023 Principles of Microeconomics | 3 hrs |
- EUH 2000 Western Civilization I | 3 hrs |
- EUH 2001 Western Civilization II | 3 hrs |
UNIVERSITY OF CENTRAL FLORIDA

UCF Degree Programs

AMH 2010  U.S. History: 1492-1877  GEP
AMH 2020  U.S. History: 1877-Present  GEP
POV 2041  American National Government  GEP
PSY 2012  General Psychology  GEP
SSE 4936  Programs in Teaching Social Science  3 hrs
Upper Division Non-Western History Elective (AFH, AMH, or LAH prefix courses 3/4XXX)  3 hrs
Upper Division Political Science Elective (CPO, INR, or POS prefix courses 3/4XXX)  3 hrs
Upper Division American History Elective (AMH prefix courses 3/4XXX)  3 hrs
Field of Concentration Upper Division Electives (AFH, AMH, ASH, CPO, INR, or LAH, or POS 3/4XXX)  6 hrs

Internship II  12 hrs
- At least 80% of all required social science courses and all methods courses must be completed with a letter grade of “C-” (1.75) or better before registering for Internship II. However, a minimum GPA of 2.5 is required in the professional, specialization and overall for admission to Internship II.
- Passing score on the Subject Area Examination (Social Science 6-12) portion of the Florida Teacher Certification Examination is strongly recommended prior to entry into Internship II.
- Students must apply and be approved for Internship II. Deadline dates and applications are available through the Office of Clinical Experiences at http://www.education.ucf.edu/clinicalexp/
- Satisfactory completion of Internship II requires the student to demonstrate proficiency in all 12 Florida Educator Accomplished Practices at the preprofessional level in accordance with State Board of Education Rule 6A-5.066.

SSE 4941  Internship  12 hrs
5. Restricted Electives
- None
6. Capstone Requirements
- None
7. Foreign Language Requirements
Admissions
- State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
- None
8. Electives
- None
9. Additional Requirements
- None
10. Required Minors
- None
11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.
- Complete a portfolio according to program guidelines. This portfolio requires demonstration of professional growth, reflection, and proficiency in the 12 Florida Educator Accomplished Practices.
- Pass all applicable sections of the Florida Teacher Certification Examination.
12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None
Related Programs
- None

Certificates
- None
Related Minors
- None
Advising Notes
- None
Transfer Notes
- None
Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall  12 hrs
AMH 2010  U.S. History: 1492-1877  3 hrs
ENC 1101  Composition I  3 hrs
MGF 1106  Finite Mathematics  3 hrs
PSY 2012  General Psychology  3 hrs

Freshman Year - Spring  12 hrs
AMH 2020  U.S. History: 1877-Present  3 hrs
ENC 1102  Composition II  3 hrs
POS 2041  American National Government  3 hrs

Select 1:  3 hrs
- ANT 2511  The Human Species or  3 hrs
- BSC 1006  Biological Principles  3 hrs

Freshman Year - Summer  6 hrs
SPC 1608  Fundamentals of Oral Communication  3 hrs
PHI 2010  Introduction to Philosophy  3 hrs

Sophomore Year - Fall  15 hrs
EDF 2005  Introduction to the Teaching Profession  3 hrs
ECO 2013  Principles of Microeconomics  3 hrs
PSC 1121  Physical Science  3 hrs
SYG 2000  Introduction to Sociology  3 hrs
Select 1:  3 hrs
- STA 1060C  Basic Statistics Using Microsoft Excel or  3 hrs
- STA 2014C  Principles of Statistics  3 hrs

Sophomore Year - Spring  12 hrs
ECO 2023  Principles of Microeconomics  3 hrs
EDF 2085  Introduction to Diversity for Educators  3 hrs
EME 2040  Introduction to Technology for Educators  3 hrs
EMF 2130  Child and Adolescent Development for Educators  3 hrs

Sophomore Year - Summer  9 hrs
EUH 2000  Western Civilization I  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL in Schools  3 hrs
Political Science Elective (CPO, INR, POS 3/4XXX)  3 hrs

Junior Year - Fall  15 hrs
EDF 4467  Learning Theory and Assessment  3 hrs
EDG 4410  Teaching Strategies and Classroom Management  3 hrs
SSE 4936  Programs in Teaching Social Science  3 hrs
EUH 2001  Western Civilization II  3 hrs
Upper Division Non-Western History Elective (AFH, AMH, LAH 3/4XXX)  3 hrs

Junior Year - Spring  12 hrs
SSE 4361  Social Science Instructional Analysis  4 hrs
SSE 3940  Internship  3 hrs
GEO 3471  World Political Geography  3 hrs
RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs

Senior Year - Fall  12 hrs
EDF 4603  Analysis and Application of Ethical, Legal, and Safety Issues in Schools  3 hrs
EEX 4242  Teaching Exceptional Students in Secondary Settings  3 hrs
American History Elective (AMH 3/4XXX)  3 hrs
Field of Concentration Upper Level Elective (AFH, AMH, ASH, CPO, INR, CAH, or POS 3/4XXX)  3 hrs

1 Transfer Notes: Courses taken at community colleges may substitute for select courses in Other Program Requirements with the permission of the department.

Sophomore Year - Summer  9 hrs
EUH 2000  Western Civilization I  3 hrs
TSL 4080  Theory and Practice of Teaching ESOL in Schools  3 hrs
Political Science Elective (CPO, INR, POS 3/4XXX)  3 hrs

Undergraduate Catalog 2011-2012  301
Social Sciences (B.S.)

College of Sciences
Department of Sociology, Howard Phillips Hall,
Room: 403
http://sociology.ucf.edu/
E-mail: sociology@mail.ucf.edu
Dr. H. Corzine
407-823-3744

The Social Science Interdisciplinary Degree emphasizes the critical study of the social world. The curriculum increases students' awareness of the social sciences and how they interpret society, societal institutions, social interaction and communication, social culture, as well as past and present human conditions. Students focus on several specific areas within the social sciences while becoming aware of the interdisciplinary nature of the participating programs.

Admission Requirements

■ None

Degree Requirements

■ 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, 5912, 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
ENC 1102 Composition II 3 hrs

Complete one of the following:

1 Suggested
SPC 1608 Fundamentals of Oral Communication 3 hrs
Suggested
SPC 1603 Fundamentals of Technical Presentations 3 hrs
Prefer
COM 1000 Introduction to Communication 3 hrs

1 Required if Communication option of the major is to be followed.

B: Cultural & Historical Foundations (9 hrs)

Required
PSY 2012 General Psychology or 3 hrs
STA 2014C Principles of Statistics or 3 hrs

C: Mathematical Foundations (6 hrs)

Statistics:
Required
STA 2023 Statistical Methods I 3 hrs
Math:
You may substitute a higher level math with appropriate scores on the Math Placement Test.
Prefer
MGF 1107 Explorations in Mathematics 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
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology 3 hrs

E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP)

■ See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
■ Students must complete two introductory courses in a social science discipline.
■ Course selection depends on concentration to be followed.

3. Core Requirements: Basic Level

Select one of the following Statistics courses:
STA 2014C Principles of Statistics or 3 hrs
STA 2023 Statistical Methods I 3 hrs

Select at least three of the following, depending on concentrations to be taken:

ANT 2000 General Anthropology or 18 hrs
PSY 2012 General Psychology or 18 hrs
POS 2041 American National Government or 18 hrs
SYG 2000 Introduction to Sociology 25 hrs

4. Core Requirements: Advanced Level (57 hrs)

Select one methods’ course:

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

■ None

6. Capstone Requirements

■ Students will be required to take a standardized exit exam in their graduating semester.

7. Foreign Language Requirements

Admissions
Met by graduation requirement

Graduation
Proficiency equivalent to one year of college instruction in either a foreign language, two semesters equivalent of American Sign Language, or one course with a multicultural dimension. Standardized examinations may be used to meet the requirement.

8. Electives

■ Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the areas.

9. Additional Requirements

■ None

10. Required Minors

■ Three minors are to be selected from the following listing:
■ However only one minor may be taken within a single department or school.

Anthropology
Anthropology in Multicultural Studies
Interpersonal/Organizational Communication
Mass Communication
Medical Anthropology
North American Indian Studies
Political Science
11. Departmental Exit Requirements
- Maintain a minimum GPA of 2.0 in each Social Science discipline.
- A minimum grade of "C" (2.0) in all core courses is required.
- Before applying to graduate, the CLAS must be completely satisfied.
- Students will be required to take a standardized exit exam in their graduating semester.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In Major
- None

Related Programs
- Anthropology
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

Certificates
- None

Related Minors
- Anthropology
- Interpersonal/Organizational Communication
- Economics
- Political Science
- Psychology
- Public Administration
- Sociology

Advising Notes
- Students should seek advising in the Sociology department.

Transfer Notes
- Lower Division courses taken at community colleges do not substitute for Upper Division courses.
- Transfer courses must be evaluated for equivalency credit and/or for use in the degree program. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Any two introductory Social Sciences courses could meet CPP requirements. However, the indicated courses are prerequisites for subsequent courses and must be taken.

Plan of Study
- This is one of numerous possible plans of study. See program description for all requirements. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall
- 16 hrs
  - ENC 1101 Composition I 3 hrs
  - Foreign Language 4 hrs
  - MGF 1107 Explorations in Mathematics 3 hrs
  - GEP 3 hrs
  - GEP 3 hrs

### Freshman Year - Spring
- 16 hrs
  - ENC 1102 Composition II 3 hrs
  - Foreign Language 4 hrs
  - Core Course 3 hrs
  - GEP 3 hrs
  - Statistics 3 hrs

### Sophomore Year - Fall
- 13 hrs
  - Elective / Minor 3 hrs
  - GEP 4 hrs

### Sophomore Year - Spring

### Junior Year - Fall

### Junior Year - Spring

### Senior Year - Fall

### Senior Year - Spring

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm](http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm)

Equipment Fees
- Part-Time Student: $11 per term
- Full-Time Student: $22 per term

Social Work (B.S.W.)
College of Health and Public Affairs
School of Social Work, Health and Public Affairs I,
Room: 204
E-mail: socialwk@mail.ucf.edu
John Ronnau, Director
Robin Kohn, Undergraduate Program Coordinator
407-823-2114

Admission Requirements
- Acceptance to the University does not necessarily constitute admission to the upper division social work program. Separate application to the limited access program must be made to the School of Social Work. Students are admitted to the undergraduate program only in the Summer or Fall terms. To be considered for admission to the program, students must have:
  - Admission to the University
  - A 2.5 overall GPA
  - An AA (from a Florida State Community College) or UCF General Education Program, Gordon Rule, and CLAS
  - 15 semester hours common program prerequisites (see Section 2 below for list of courses)
- This limited access program is work-intensive. Due to this it is strongly recommended that students be at least one year post high school prior to applying to the program. Students with concerns or questions should contact the program to schedule an appointment with an advisor.
UCF Degree Programs

- Personal qualifications considered for acceptance include intelligence, initiative, social concern, appreciation for human diversity, dependability, humanitarian interests in helping people and in improving human services and college-level reading and writing skills.

**Degree Requirements**
- Students who are pending Social Work and are admitted to the program must adopt the most current catalog
- Residency Requirement consists of at least 30 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF School of Social Work
- Students should complete the General Education Program, the CLAS and the Common Program Prerequisite Requirements before beginning the Social Work Program
- Students should consult with a school advisor
- The courses designated in sections 1 (general education) and 2 (common program prerequisites) below may be taken at a college or university other than UCF, and should usually be completed in the first 60 hours
- A minimum overall GPA of 2.5 is required in all Social Work courses with a minimum grade of "C" (2.0) in each course
- Students must earn an overall GPA of 2.5 for entry into field education (SOW 4510 or SOW 4941 part-time) and to be eligible for graduation from the Social Work Program
- Students must complete all the requirements listed in 1-11 below

1. **UCF General Education Program (GEP)** (36 hrs)

   A: Communication Foundations (9 hrs)
   - Prefer SPC 1608 Fundamentals of Oral Communication

   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
   - Select 1:
     - Suggested MGF 1106 Finite Mathematics or MGF 1107 Explorations in Mathematics

2. **Social Foundations** (6 hrs)
   - Suggested POS 2041 American National Government
   - Suggested PSY 2012 General Psychology

3. **Science Foundations** (6 hrs)
   - Suggested BSC 1005 Biological Principles

4. **Core Program Prerequisites (CPP)** (6 hrs)
   - See Transfer Notes
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information

5. **Required Principles of Statistics** (3 hrs)
   - Choose one of the following suggested courses, or see advisor for more options:
     - STA 2014C Principles of Statistics
     - STA 2023 Statistical Methods I

6. **Foreign Language or Cultural Diversity Requirement** (6 hrs)
   - Choose two of the following suggested courses
     - ANT 4332 People and Cultures of Latin America
     - ANT 3363 Anthropology of Japan
     - ANT 2410 Cultural Anthropology
     - ANT 3610 Language and Culture
     - ASH 4404 China in 19th and 20th Centuries
     - ASH 4442 Modern Japan, 19th and 20th Centuries
     - CPO 4303 Comparative Latin American Politics
     - HUM 3401 Asian Humanities
     - HUM 3417 Hindu Thought and Culture
     - HUM 3419 Islamic Thought and Culture
     - JST 3401 Jewish People in Antiquity
     - JST 3402 Wanderings: The Jewish People in Dispersion

7. **Capstone Requirements** (3 hrs)
   - Select three hours in consultation with faculty advisor.

8. **Electives** (None)

9. **Additional Requirements** (None)

10. **Required Minors** (None)

11. **Restricted Electives** (3 hrs)
   - Select three hours in consultation with faculty advisor.

12. **University Minimum Exit Requirements**
   - A minimum overall GPA of 2.5 in all social work courses with a minimum grade of "C" (2.0) or higher in each social work course.
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in residency at UCF
Select 1: 3 hrs

Freshman Year - Fall 14 hrs
ENC 1101 Composition I 3 hrs
BSC 1005 Biological Principles 3 hrs
MGF 1106 Finite Mathematics 3 hrs
PAF 2102 Public Affairs Careers 2 hrs
Select 1: 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs
PSY 2012 General Psychology 3 hrs

Select 1:
PSY 2012 General Psychology or 3 hrs
SYG 2000 Introduction to Sociology or 3 hrs

Select 1:
MUL 2010 Enjoyment of Music or 3 hrs
THE 2000 Theatre Survey or 3 hrs
REL 2300 World Religions or 3 hrs
PHI 2010 Introduction to Philosophy 3 hrs

Sophomore Year - Fall 15 hrs
SPC 1608 Fundamentals of Oral Communication 3 hrs
SOW 2020 Careers in Creating Social Change 3 hrs
Select 1: 3 hrs
ECO 2013 Principles of Macroeconomics or 3 hrs
ECO 2023 Principles of Microeconomics 3 hrs
Select 1: 3 hrs
EUH 2000 Western Civilization I or 3 hrs
WOH 2012 World Civilization I or 3 hrs

Select 1: 3 hrs

Sophomore Year - Spring 15 hrs
Free Elective 3 hrs
Free Elective 3 hrs
Select 1: 3 hrs
CHM 1020 Concepts in Chemistry or 3 hrs
PSC 1121 Physical Science or 3 hrs
AST 2002 Astronomy 3 hrs
Select 1: 3 hrs
EUH 2001 Western Civilization II or 3 hrs
HUM 2230 Humanistic Tradition II or 3 hrs
AMH 2020 U.S. History: 1877-Present or 3 hrs
Foreign Language II or Cultural Diversity 3 hrs

Sophomore Year - Summer 6 hrs
Select 1: 3 hrs
SOW 3104 Assessing I: Human Development or 3 hrs
SOW 3300 Practice I: Generalist Practice in Social Work or 3 hrs
SOW 3620 Social Work with Diverse Populations 3 hrs
SOW Elective 3 hrs

Junior Year - Fall 15 hrs
SOW 3104 Assessing I: Human Development 3 hrs
SOW 3203 Social Work & Community Resources 3 hrs
SOW 3300 Practice I: Generalist Practice in Social Work 3 hrs
Restricted Elective 3 hrs
Free Elective 3 hrs

Junior Year - Spring 15 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
Free Elective 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
SOW 4232 Social Welfare Policies and Issues 3 hrs
SOW 4341 Micro-Level Roles and Interventions in Social Work 3 hrs
SOW 4343 Macro-Level Roles and Interventions in Social Work 3 hrs
SOW 4730 Documentation in Social Work Practice 3 hrs
Free Elective 3 hrs

Senior Year - Spring 12 hrs
1 SOW 4510 Field Education 9 hrs
2 SOW 4941 Internship 5 hrs
1 SOW 4522 Field Education Seminar 3 hrs
Free Elective 3 hrs

1 For Full-time students ONLY
2 For part-time students ONLY

Senior Year - Summer 4 hrs
1 SOW 4941 Internship 4 hrs

1 For part-time students ONLY

Program Academic Learning Compacts
Program Academic Learning Compacts (student learning outcomes)
for undergraduate programs are located at:
http://www.oecs.ucf.edu/alc/academic_learning_compacts.htm
Social Sciences 3 hrs
D: Social Foundations (6 hrs)
Statistics: 3 hrs
B: Cultural & Historical Foundations (9 hrs)

1. UCF General Education Program (GEP) (36 hrs)
   - Common Program Prerequisites (CPP) (3 hrs)
     - See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.
   - SYG 2000 Introduction to Sociology GEP
   - SYA 3110 Social Theory 3 hrs

2. Core Requirements: Basic Level
   - SYG 2000 Introduction to Sociology GEP/CPP

3. Core Requirements: Advanced Level
   - SYA 4300C Research Methods 4 hrs
   - SYA 4450 Data Analysis 4 hrs
   - SYA 3110 Social Theory 3 hrs
   - SYA 3400C Applied Social Statistics 4 hrs

4. Capstone Requirements
   - SYA 4521 Crime Victims in Society 3 hrs
   - SYA 4536 Gangs and Society 3 hrs
   - SYA 4550 Patterns of Drug Abuse in Society 3 hrs
   - SYA 4552 Patterns of Domestic Violence in Society 3 hrs
   - SYA 4554 Patterns of Violence in Society 3 hrs
   - SYA 3800 Sex and Gender in Society 3 hrs
   - SYA 4200 Religion in Society 3 hrs
   - SYA 4250 Education and Social Achievement 3 hrs
   - SYA 4300 Political Sociology 3 hrs
   - SYA 4400 Medical Sociology 3 hrs
   - SYA 3300 Fads, Crowds, and Social Action 3 hrs
   - SYA 3400 Social Change 3 hrs
   - SYA 3510 Sociology of Deviant Behavior 3 hrs
   - SYA 3511 Sociology of Murder 3 hrs
   - SYA 3520 Criminology 3 hrs
   - SYA 3530 Juvenile Delinquency 3 hrs
   - SYA 3540 Sociology of Law 3 hrs
   - SYA 3551 Patterns of Alcoholism in Society 3 hrs
   - SYA 3562 Patterns of Domestic Violence in Society 3 hrs
   - SYA 3602 Patterns of Popular Music in Society 3 hrs
   - SYA 3630 Popular Culture in Society 3 hrs
   - SYA 3650 Sports and Society 3 hrs
   - SYA 4000 Sociological Social Psychology 3 hrs
   - SYA 4004 Constructing Social Issues 3 hrs
   - SYA 4521 Crime Victims in Society 3 hrs
   - SYA 4536 Gangs and Society 3 hrs
   - SYA 4550 Patterns of Drug Abuse in Society 3 hrs
   - SYA 4730 Patterns of Aging in Society 3 hrs
   - SYA 4732 Minority Aging 3 hrs
   - SYA 5525 Sociological Criminology 3 hrs
   - SYA 4514 Patterns of Violence in Society 3 hrs
   - SYA 3800 Sex and Gender in Society 3 hrs
   - SYA 4200 Religion in Society 3 hrs
   - SYA 4250 Education and Social Achievement 3 hrs
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   - SYA 5525 Sociological Criminology 3 hrs
   - SYA 4514 Patterns of Violence in Society 3 hrs
   - SYA 3800 Sex and Gender in Society 3 hrs

5. Restricted Electives (27 hrs)
   - Select from the following courses:

6. Internship
   - Eligible students may enroll for 3 to 6 semester hours of Internship in the following courses. Arrangements for internships are coordinated by the Department Internship Supervisor and require prior approval.
   - SYA 3940 Internship or 3 hrs
   - SYA 4941 Internship or 3 hrs
   - SYA 5944 Internship 3 hrs
   - All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

Admissions
- Met by graduation requirement.

UCF Degree Programs
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
407-823-3744

The Sociology curriculum emphasizes critical examination of various components of society. The purpose of the curriculum is to increase students' social awareness and their abilities to employ a sociological perspective to interpret social institutions and behavior. Sociology includes the study of interpersonal interactions, groups, organizations, and societies through the application of theoretical approaches and the use of qualitative and quantitative methods. Students will be better prepared for careers in any field by being trained in critical thinking and analytical skills, and by being familiar with theoretical and methodological tools for the study of peoples, groups, and organizations. To this end, we provide state-of-the-art training in an array of courses. Sociology majors master skills in quantitative and qualitative research methods, communication, and analytical thinking as well as acquiring written and oral presentational skills. These are among the top 10 abilities for which today's employers are looking and are also essential for success in graduate and professional programs. Sociology courses are directly relevant to many contemporary issues, including murder and violent crime, domestic violence, global warming, alcohol and drug abuse, popular culture, and changes in the family. The department offers groups of courses in several areas, including social institutions, the environment, crime and deviance, popular culture, family, and diversity and social inequalities. As such, the B.A. in Sociology provides excellent grounding for a wide range of careers such as teaching, public administration, metropolitan planning, behavioral analysis, legal/court case assessment, law enforcement, marketing research, advertising, public relations, human resources, child welfare officer, victim advocate, convention/events organizer, environmental/social activist, social assistance specialist, and research analyst.

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 30 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Sociology Department.
- Students must maintain a UCF GPA of at least 2.0 in all courses used for the major.
- Students must have a “C” (2.0) or higher in all core courses.
- Co-op credit cannot be used in this major.
- Directed Independent studies, 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 1105C College Algebra 3 hrs
   - Statistics:
     - Prefer STA 2014C Principles of Statistics 3 hrs
   - D: Social Foundations (6 hrs)
   - Political Science/Economics 3 hrs
     - Select one listed course 3 hrs
   - Social Sciences 3 hrs
     - Required SYG 2000 Introduction to Sociology 3 hrs

2. Common Program Prerequisites (3 hrs)
   - See “Common Prerequisites” in the Transfer and Transitions Services section for more information, including possible substitutions.
   - SYG 2000 Introduction to Sociology GEP
   - SYA 3110 Social Theory 3 hrs

3. Core Requirements: Basic Level
   - SYG 2000 Introduction to Sociology GEP/CPP

4. Core Requirements: Advanced Level (12 hrs)
   - SYA 4300C Research Methods 4 hrs
   - SYA 4450 Data Analysis 4 hrs
   - SYA 3110 Social Theory 3 hrs
   - SYA 3400C Applied Social Statistics 4 hrs

5. Restricted Electives (27 hrs)
   - Select from the following courses:

6. Internship
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   - SYA 3940 Internship or 3 hrs
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   - SYA 5944 Internship 3 hrs
   - All special topics courses with the prefixes SYA, SYD, SYO, or SYP count toward the restricted electives requirement.

Undergraduate Catalog 2011-2012
### Degree Requirements

**Spanish (B.A.)**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


**E-mail: forlang@mail.ucf.edu**

Dr. Paul Giordano
407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

**Admission Requirements**

- None

**Degree Requirements**

- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.

### 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 per term

---

**UCF Degree Programs**

### 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.

### Freshman Year - Spring

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENC 1101 Composition I</td>
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### Equipment Fees

- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

---

**UCF Degree Programs**

### Related Programs

- Anthropology
- Criminal Justice

### Certificates

- None

### Related Minors

- African American Studies
- American Studies
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- Anthropology in Multicultural Studies
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- 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

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### Equipment Fees

- Part-Time Student: $7.50 per term
- Full-Time Student: $15 per term

---

**Spanish (B.A.)**

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


**E-mail: forlang@mail.ucf.edu**

Dr. Paul Giordano
407-823-2472

Placement in language courses is based on one year of high school language being equivalent to one semester of college work. For example, four years of high school Spanish place the student in the first semester of the third year. Native Spanish speakers, near-native Spanish speakers, or students who have received advanced education abroad must substitute select classes.

**Admission Requirements**

- None

**Degree Requirements**

- 36 credits in Spanish must be taken at the 3000 level or above.
- At least 6 of the 36 Spanish credits must be at the 4000 level.
- At least 30 credit hours must be taken in Modern Language courses taught in Spanish.
### UCF Degree Programs

- Students must earn at least a "C" (2.0) in each upper division Spanish course.
- Departmental Residency Requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF Department of Modern Languages and Literatures.
- Language credit by exam will not be given in courses lower in level than those in which students are presently enrolled. Native speakers will be allowed Credit by Examination in literature courses only.
- Co-op or internship credit cannot be used in this major.
- Students must see their departmental advisor to obtain proper counseling and have their schedule approved before registering for courses in their major.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours.

#### 1. UCF General Education Program (GEP) (36 hrs)
- **A: Communication Foundations** (9 hrs)
- **B: Cultural & Historical Foundations** (9 hrs)
- **C: Mathematical Foundations** (6 hrs)
  - Prefer MGF 1106 Finite Mathematics 3 hrs
  - Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

#### 2. Common Program Prerequisites (CPP)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- **1** SPN 1120C Elementary Spanish Language and Civilization I 4 hrs
- **1** SPN 1121C Elementary Spanish Language and Civilization II 4 hrs
- **1** SPN 2200 Intermediate Spanish Language and Civilization I 3 hrs

1. May substitute a higher level math course.

#### 3. Core Requirements: Basic Level
- **SPN 3234 Advanced Directed Readings** 3 hrs

#### 4. Core Requirements: Advanced Level (15 hrs)
- **1** SPN 3300 Advanced Spanish Grammar and Composition 3 hrs
- **1** SPN 3420 Spanish Composition 3 hrs
- **1** 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

1. A native or near-native Spanish speaker must substitute an alternate upper division Spanish course in consultation with a departmental advisor.

#### 5. Restricted Electives (21 hrs)
- **Select one of the following 3 hrs**
  - FOL 3730 Romance Philology
  - SPN 4801 Spanish Morphosyntax
  - SPN 4800 Spanish-American Syntax
  - SPN 4780 Spanish Phonetics
  - SPN 3852 Bilinguismo

#### 6. Spanish literature beyond the survey level
- 6 hrs

#### 7. Capstone Requirements
- None

### 7. Foreign Language Requirements

- **Admissions**
  - Met by Graduation requirements.
- **Graduation**
  - Met by Common Program Prerequisites.
- **Electives**
  - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.
- **Additional Requirements**
  - None

### 10. Required Minors
- None

### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or higher in at least 36 credit hours of upper division Spanish courses.
- Students are required to satisfactorily complete a departmental exit exam. The exam is offered each September and February; students should discuss the optimal test date with their advisor.
- **Computer Competency** met by the following or equivalent:
  - CGS 1060C Introduction to Computer Science 3 hrs

### 12. University Minimum Exit Requirements
- **A 2.0 UCF GPA**
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

#### Total Semester Hours Required
- **120**

### Honors In Major
- None

### Related Programs
- **French**
- Modern Language Combination

### Advising Notes
- None

### Transfer Notes
- Courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated by the department chair for equivalency credit. The student must provide all supporting information.
- Native speakers, or students who have received advanced education in Spanish-speaking societies, may not take lower division Spanish courses. They must substitute third-year level composition and conversation courses.

### Acceptable Substitutes for Transfer Courses
- None

### Plan of Study
- One of numerous possible plans of study. See program description for all requirements. Courses with an asterisk (*) may be replaced by alternates in the same requirement. Consult a departmental advisor for alternate, new or more appropriate selections.

### Freshman Year - Fall

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tr>
<td>ANT 2000</td>
<td>General Anthropology</td>
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<tr>
<td>ENC 1101</td>
<td>Composition I</td>
<td>3 hrs</td>
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<tr>
<td>MGF 1106</td>
<td>Finite Mathematics</td>
<td>3 hrs</td>
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<tr>
<td>SPN 1120C</td>
<td>Elementary Spanish Language and Civilization I</td>
<td>4 hrs</td>
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<tr>
<td>Elective / Minor</td>
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Sport and Exercise Science (B.S.)

College of Education

Department of Child, Family and Community Sciences, Education Building, Room: 209

http://education.ucf.edu/sportexscience

Dr. Jay Hoffman, ED 320H, jhoffma@mail.ucf.edu

The Sport and Exercise Science BS program is offered at the UCF Orlando and UCF South Lake (Clermont) Campuses. The program prepares students for positions with university athletic programs, community sports organizations, private and public fitness and recreation programs, and multipurpose facilities. The program is appropriate for students interested in pursuing careers in sport science, health promotion, medicine, wellness, sports medicine, and allied health (i.e. physical therapy, occupational therapy, and cardiac rehabilitation). Students select from one of two areas of specialization: Sport Leadership or Exercise Science. Within the Sport Leadership specialization, students select either a Coaching or Recreation option, while students interested in Exercise Science specialization, select one of three options: Human Performance, Strength and Conditioning, or Children's Physical Activity and Movement. While in the program, students are encouraged to complete professional certification(s) within their specialization. Students are provided with a mix of course content and practical field and laboratory experiences.

Admission Requirements

- Complete the University General Education Requirements or its equivalent, i.e. an AA degree from an approved Florida community college, state college or university; or the AS degree from the affiliated program at Lake Sumter Community College.
- Have a minimum 2.5 overall GPA.
- Meet the University CLAS requirement.
- Complete program prerequisite courses prior to admission to the major and upper level courses.

Degree Requirements

- Students should consult with an advisor on a regular basis.
- Students who change degree programs and select this major must adopt the most current catalog.
- Students should see an advisor prior to selecting this major, at least every semester thereafter.
- Students must maintain an overall GPA of at least a “C” (2.0) in each required course and maintain an overall GPA of at least 2.5.
- Prior to participation in Sport and Exercise Science Practicum, students must have achieved admission into one of the two areas of specialization.
- Students must meet with their advisor prior to enrollment in Sport and Exercise Science Practicum to complete departmental application and approval process of the organization with which they will be working.

1. UCF General Education Program (GEP) (37 hrs)

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer AMH 2010 U.S. History: 1492-1877 3 hrs
- Prefer AMH 2020 U.S. History: 1877-Present 3 hrs
- Prefer from GEP section B.2 3 hrs

C: Mathematical Foundations (6 hrs)
- Prefer MGF 1106 Finite Mathematics 3 hrs

Select 1: (3 hrs)
- Prefer ENC 1102 Composition II 3 hrs
- Prefer STA 1060C Basic Statistics Using Microsoft Excel 3 hrs
- Prefer STA 2014C Principles of Statistics 3 hrs

D: Social Foundations (6 hrs)
- Prefer POS 2041 American National Government 3 hrs
- Prefer PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Prefer PSC 1121 Physical Science 3 hrs

2. Common Program Prerequisites (CPP)

- None

3. Core Requirements: Basic Level (18 hrs)

Core Requirements for Sport and Exercise Science: (18 hrs)
- PET 2084 Introduction to Sport and Exercise Science 3 hrs
- PET 3097 Health and Wellness 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4351C Exercise Physiology 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs

4. Core Requirements: Advanced Level (36 hrs)

Select one Specialization below: Sport Leadership OR Exercise Science; Select Electives- approved by advisor

A. Sport Leadership Specialization

- A1. Coaching (36 hrs)

- ATR 2010C Athletic Injuries: Mechanisms and Prevention 3 hrs
- PET 3765 Coaching Theory 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs
Select four courses from the following list (must see advisor):

- PET 4763  Coaching Methods And Principles  3 hrs
- SPM 3204  Sports and Ethics  3 hrs
- SPM 3415  Public Relations in Sport and Exercise Science  3 hrs
- SPM 3504  Fiscal and Facilities: Issues in Sport and Exercise Science  3 hrs
- SPM 4723  Legal Issues in Sport and Exercise Science  3 hrs

Coaching Specific Class

- PEO 2824  Coaching Basketball or  3 hrs
- PEO 3324  Coaching Volleyball or  3 hrs
- PEO 3644  Coaching Football  3 hrs

A2. Recreation

- PET 3765  Coaching Theory  3 hrs
- PET 3820  Teaching Sports Skills I  3 hrs
- PET 4002  Outdoor and Leisure Activities  3 hrs
- PET 4401  Administration and Evaluation in Sport and Fitness  3 hrs
- SPM 3130  Aquatic Management  3 hrs
- SPM 3204  Sports and Ethics  3 hrs
- SPM 3415  Public Relations in Sport and Exercise Science  3 hrs
- SPM 3504  Fiscal and Facilities: Issues in Sport and Exercise Science  3 hrs
- SPM 4723  Legal Issues in Sport and Exercise Science  3 hrs

B. Exercise Science Specialization

B1. Human Performance

- ZOO 3736C  Exercise Physiology Anatomy  4 hrs
- ATR 2010C  Athletic Injuries: Mechanisms and Prevention  3 hrs
- PET 3771  Strength and Conditioning Concepts  3 hrs
- PET 4050C  Motor Development and Learning  3 hrs
- PET 4215  Motivational Aspects of Athletic Performance  3 hrs
- PET 4552  Exercise Prescription for Special Populations  3 hrs

B2. Strength and Conditioning

- ATR 2010C  Athletic Injuries: Mechanisms and Prevention  3 hrs
- PET 3771  Strength and Conditioning Concepts  3 hrs
- PET 3765  Coaching Theory  3 hrs
- PET 4050C  Motor Development and Learning  3 hrs
- PET 4083  Personal Training Methods  3 hrs
- PET 4215  Motivational Aspects of Athletic Performance  3 hrs
- SPM 4723  Legal Issues in Sport and Exercise Science  3 hrs

B3. Children’s Physical Activity & Movement

- PEO 3041  Games Analysis  3 hrs
- PET 3820  Teaching Sports Skills I  3 hrs
- PET 4050C  Motor Development and Learning  3 hrs
- PET 4710  Methods for Physical Activity for Children and Adolescents  3 hrs

Select four courses from the following list (must see advisor):

- SPM 3204  Sports and Ethics or  3 hrs
- SPM 3415  Public Relations in Sport and Exercise Science or
- 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
- EEC 3700  Social and Emotional Development of Young Children or
- EEC 4303  Planning Creative Activities in Early Childhood Education or
- EEC 4604  Classroom Management and Guidance of Young Children or
- EEC 4661  Early Childhood Education Theory and Practice  3 hrs

5. Restricted Electives

- None

6. Capstone Requirements (12 hrs)

- PET 3137  Concepts and Practices in Sport and Exercise Science  3 hrs

Select 1:

- PET 4926  Sport and Exercise Science Practicum or  9 hrs

Take 3 additional electives in the program approved by the advisor

1. A. For Sport Leadership majors OR B. For Exercise Science majors

1. During the final year of the program, students will complete Practicum requirements in an area that is specific to their desired career goals. In order to be placed into practicum, students will need to have a 2.75 GPA. These experiences will provide the student with actual professional experiences and practical hands-on knowledge of the career in which they hope to work. The students 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 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 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.

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 (14 hrs)

- (14-34 hrs) Students have the opportunity to add additional courses within the major to strengthen their learning experience, perform a double major or minor. In addition, many students will use these electives to take the required courses necessary for graduate work in medicine, physical therapy and other allied health graduate programs.

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- A minimum overall GPA of 2.5.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required

- 120

Honors In Major

- None

Related Programs

- None

Certificates

- None
UCF Degree Programs

45x729

Related Minors
- Coaching
- Fitness Training
- Recreation

Advising Notes
- None

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None

Plan of Study (120 hrs)

Freshman Year - Fall 12 hrs
- ENC 1101 Composition I 3 hrs
- PSC 1121 Physical Science 3 hrs
- PSY 2012 General Psychology 3 hrs
- Elective 3 hrs

Freshman Year - Spring 16 hrs
- BSC 2010C Biology I 4 hrs
- ENC 1102 Composition II 3 hrs
- MGF 1106 Finite Mathematics 3 hrs
- POS 2041 American National Government 3 hrs
- SPC 1608 Fundamentals of Oral Communication 3 hrs

Sophomore Year - Fall 15 hrs
- PET 2084 Introduction to Sport and Exercise Science 3 hrs
- GEP B.1 3 hrs
- Elective 6 hrs
- Select 1: 3 hrs
  - CGS 1060C Introduction to Computer Science or
  - STA 1060C Basic Statistics Using Microsoft Excel or
  - STA 2014C Principles of Statistics

Sophomore Year - Spring 15 hrs
- PET 3097 Health and Wellness 3 hrs
- GEP B.1 3 hrs
- Specialization or Elective 9 hrs
- Select 1: 3 hrs
  - CGS 1060C Introduction to Computer Science or
  - STA 1060C Basic Statistics Using Microsoft Excel or
  - STA 2014C Principles of Statistics

Junior Year - Fall 15 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- Select 1: 3 hrs

Junior Year - Spring 15 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs
- Specialization/Elective Courses 12 hrs
- Select 1: 3 hrs

Junior Year - Summer 3 hrs
- Specialization course 3 hrs

Senior Year - Fall 15 hrs
- Specialization/Elective courses 15 hrs
- Select 1: 9 hrs

Senior Year - Spring 12 hrs
- PET 3137 Concepts and Practices in Sport and Exercise Science 3 hrs
- Specialization/Elective courses 12 hrs
- Select 1: 9 hrs

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Statistics (B.S.)
Department of Statistics, Computer Center II, Room: 212
http://statistics.cos.ucf.edu/
E-mail: statistics@ucf.edu
Dr. David Nickerson, 407-823-5528
407-823-2289

Admission Requirements
- None

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Departmental Residency Requirement: at least 15 semester hours of regularly scheduled 3000-4000 level courses must be taken from the UCF Statistics Department.
- Students must earn at least a "C" (2.0) in each course with a STA prefix.
- A minimum 2.0 average is required in all computer science and mathematics courses that count toward a statistics major.
- Co-op or internship credit cannot be used in this major.
- Students should consult with a departmental advisor.
- Courses designated in 1 (General Education Program) are generally spread over 4 years, and those designated in 2 (Common Program Prerequisites) are usually completed in the first 60 hours.
### UCF Degree Programs

- **All statistics courses except the following, and those protected by the Statistics Department at UCF:**
  - 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)
- STA 2023 Statistical Methods I
- STA 3032 Probability and Statistics for Engineers

##### B: Cultural & Historical Foundations (9 hrs)

##### C: Mathematical Foundations (7 hrs)
- Required: MAC 2311 Calculus with Analytic Geometry I
- Required: STA 2023 Statistical Methods I

##### D: Social Foundations (6 hrs)
- Economics
- Select 1: 3 hrs

##### E: Science Foundations (8 hrs)
- Life Science: 4 hrs
- Physical Science: 4 hrs
- Select 1: 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.

##### COP 3223 Introduction to Programming with C
- Required: MAC 2311 Calculus with Analytic Geometry I
- Required: MAC 2312 Calculus with Analytic Geometry II
- Required: MAC 2313 Calculus with Analytic Geometry III
- Required: STA 2023 Statistical Methods I

Complete two laboratory courses designed for science majors:
- The state of Florida requires Statistics majors to take two laboratory-based science courses designed for science majors. Students must complete 8 credits of the following courses, and depending on what was taken in the GEP, this requirement may already be satisfied.

##### BSC 2010C Biology I
- Required: CHM 2045C Chemistry Fundamentals I
- Required: PHY 2053C College Physics I

##### COP 3223 Introduction to Programming with C
- Required: MAC 2311 Calculus with Analytic Geometry I
- Required: MAC 2312 Calculus with Analytic Geometry II
- Required: MAC 2313 Calculus with Analytic Geometry III
- Required: STA 2023 Statistical Methods I

#### 3. Core Requirements: Basic Level (312 hrs)
- Required: MAC 2311 Calculus with Analytic Geometry I
- Required: MAC 2312 Calculus with Analytic Geometry II
- Required: MAC 2313 Calculus with Analytic Geometry III
- Required: STA 2023 Statistical Methods I

#### 4. Core Requirements: Advanced Level (43 hrs)
- Required: STA 4102 Computer Processing of Statistical Data
- Required: MAC 4163 Statistical Methods II
- Required: STA 4146 Statistical Methods III
- Required: STA 4321 Statistical Theory I
- Required: STA 4322 Statistical Theory II
- Required: ENC 3241 Writing for the Technical Professional
- Required: COP 3502C Computer Science I
- Required: COT 4500 Numerical Calculus

Select 1:
- Required: MAS 3105 Matrix and Linear Algebra or
- Required: MAS 3106 Linear Algebra

Select 1:
- Required: COT 3100C Introduction to Discrete Structures or
- Required: MTH 3302 Logic and Proof in Mathematics

#### 5. Restricted Electives (6 hrs)
- Select from upper division or graduate (5000 level), statistics, mathematics, or computer science 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.

#### 9. Additional Requirements
- None

#### 10. Required Minors
- None

#### 11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each STA course.
- Take SOA Exam P (Probability) and report the score to the department.
- Before applying to graduate, the CLAS must be completely satisfied.

#### 12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required:** 120

**Honors In Major:** None

**Related Programs:**
- Mathematics - Applied Track
- Mathematics Education

**Certificates:**
- None

**Advising Notes:**
- It is the student’s responsibility to ensure they have satisfied course prerequisites before registering for a class.
Transfer Notes
- Lower division courses taken at community colleges do not substitute for Upper Division courses.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- The following substitutions are acceptable for Common Program Prerequisites if taken as part of the AA course work.
- Computer Science: any COP programming language course will satisfy the CPP. However, the listed course is a prerequisite for Computer Sciences courses and must be taken.
- Biology: any 2 laboratory courses for majors with BSC, CHM, or PHY prefixes will satisfy the CPP. However, the listed biology courses is also a core requirement and will need to be taken.
- Statistics: 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 at http://chemplacement.sdes.ucf.edu
- Prior to enrolling in Math, take Math Placement Test at http://mathplacement.sdes.ucf.edu/

### Freshman Year - Fall
- STA 2023 Statistical Methods I 3 hrs
- ENC 1101 Composition I 3 hrs
- MAC 2311 Calculus with Analytic Geometry I 4 hrs
- GEP 3 hrs

### Freshman Year - Spring
- ENC 1102 Composition II 3 hrs
- BSC 2010C Biology I 4 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
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- STA 4163 Statistical Methods II 3 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs

### Sophomore Year - Spring
- COP 3223 Introduction to Programming with C 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs
- STA 4164 Statistical Methods III 3 hrs

### Junior Year - Fall
- STA 4321 Statistical Theory I 3 hrs
- Restricted Elective 3 hrs
- Restricted Elective 3 hrs
- Core Course 3 hrs
- Core Course 3 hrs

### Junior Year - Spring
- STA 4322 Statistical Theory II 3 hrs
- Free Elective 3 hrs
- Core Course 3 hrs
- Elective / Minor 3 hrs
- Elective / Minor 3 hrs

### Senior Year - Fall
- COT 4500 Numerical Calculus 3 hrs
- STA 4102 Computer Processing of Statistical Data 3 hrs
- Core Course 3 hrs
- ENC 3241 Writing for the Technical Professional 3 hrs

### Senior Year - Spring
- GEP 3 hrs
- GEP 3 hrs

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### Technical Education and Industry Training (B.S.)
**College of Education**
**Department of Educational and Human Sciences, Education Complex, Room: ED 123 N**

Dr. Jo Ann M. Whiteman, ED 123 N, jwhitema@mail.ucf.edu, 407-325-6293
407-823-2848

This program offers upper division courses via the World Wide Web. Students must complete all University-wide graduation requirements (general education, foreign language, CLAS, Gordon Rule, etc.), some of which are not available via distributed learning. For more information, see [http://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 a common goal of attaining a bachelor’s degree in an area that draws upon their experiences, interests, and expertise. This degree does not lead to initial teacher certification at the state level.

#### 1. UCF General Education Program (GEP) (36 hrs)

**A: Communication Foundations** (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

**B: Cultural & Historical Foundations** (9 hrs)

**C: Mathematical Foundations** (6 hrs)

**D: Social Foundations** (6 hrs)

**E: Science Foundations** (6 hrs)

#### 2. Common Program Prerequisites (CPP) (9 hrs)
- EDF 2005 Introduction to the Teaching Profession 3 hrs
- EDF 2085 Introduction to Diversity for Educators 3 hrs
- EME 2040 Introduction to Technology for Educators 3 hrs

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level (57 hrs)
- ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
- ECT 3062 Professional Role of the Vocational Teacher 3 hrs
- ECT 3365 General Methods/Testing Evaluation in Career & Technical Education 3 hrs
- ECT 3367 Evaluation of Vocational Instruction 3 hrs
- ECW 3564 Special Populations in Career & Technical Education 3 hrs
### UCF Degree Programs

**ECT 4004**  
Principles and Practices of Technical Education  
3 hrs

**ECT 4184**  
Curriculum Development Techniques for Industry Training  
3 hrs

**ECT 4384**  
Advanced Teaching Techniques for Vocational Education  
3 hrs

**Select 1:**  
- BTE 4410  
  Course Construction in Business Education  
  3 hrs
- or  
  ECW 3312  
  Course Construction in Health Occupations Education  
  3 hrs
- or  
  ECT 3371  
  Course Construction in Industrial Education  
  3 hrs

**Technical Specialization Requirements**  
30 hrs
- Students must complete an area specialization through one of the following routes:
  - Occupation-specific courses
  - Recognized occupational license/registration/certification
  - Occupational examination
  - Sufficient documentation demonstrating comparable occupational expertise equivalent to 30 semester hours of credit. Appropriate documentation must be provided to advisor before this will be submitted for credit.

5. Restricted Electives  
18 hrs

Upper Division Electives  
6 hrs
- With advisor’s approval

**Directed Field Experience**  
12 hrs
- The Technical Specialization must be satisfied and all courses must be completed prior to registering, through your advisor, for the Directed Field Experience. This supervised internship may be completed in an educational or industrial setting, or with the UCF program faculty assisting in teaching web-based courses.

6. Capstone Requirements
- None

7. Foreign Language Requirements
- Admissions
  - State University System foreign language admission requirement: two years in high school or one year of college instruction in a single foreign language. (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)

**Graduation**
- None

8. Electives
- None

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Achieve a minimum 2.5 GPA in all courses within the major.

**University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 120

**Honor’s in Major**
- None

**Related Programs**
- 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**  
- ENC 1101  
  Composition I  
  3 hrs
- MGF 1106  
  Finite Mathematics  
  3 hrs
- STA 1060C  
  Basic Statistics Using Microsoft Excel  
  3 hrs
- Select 1:
- STA 1000C  
  Introduction to Computers  
  3 hrs
- STA 2014C  
  Principles of Statistics  
  3 hrs
- Cultural-Historical Foundations Course  
  3 hrs
- Cultural-Historical Foundations Course  
  3 hrs
- Social Foundations Course  
  3 hrs
- 60 semester hours earned after CLEP awarded

**Freshman Year - Spring**  
- ENC 1102  
  Composition II  
  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
- 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**  
- ECW 3564  
  Special Populations in Career & Technical Education  
  3 hrs

**Select 1:**
- ECW 3312  
  Course Construction in Health Occupations Education  
  3 hrs
- ECT 3371  
  Course Construction in Industrial Education  
  3 hrs

**Junior Year - Fall**  
- ECT 3365  
  General Methods/Testing Evaluation in Career & Technical Education  
  3 hrs
- Technical Specialization Courses  
  12 hrs

**Junior Year - Spring**  
- ECT 3062  
  Professional Role of the Vocational Teacher  
  3 hrs
- ECT 3367  
  Evaluation of Vocational Instruction  
  3 hrs
- Technical Specialization Courses  
  9 hrs

**Junior Year - Summer**  
- ECT 4004  
  Principles and Practices of Technical Education  
  3 hrs
- ECT 4184  
  Curriculum Development Techniques for Industry Training  
  3 hrs

**Senior Year - Fall**  
- ADE 4382  
  Teaching Adult Learners in Technical Programs  
  3 hrs
- ECT 4384  
  Advanced Teaching Techniques for Vocational Education  
  3 hrs
- Upper Division Electives  
  6 hrs

**Senior Year - Spring**  
- ECT 4941  
  Internship  
  12 hrs

**Senior Year - Summer**  
- See advisor for certification details.

### Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm](http://www.oecs.ucf.edu/aic/academic_learning_compacts.htm)
The Bachelor of Fine Arts Degree is offered for students who, upon graduation, plan to pursue a specialized career in professional theatre. It provides students 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 filled 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 conservative nature, the BFA demands a closely integrated four-year curriculum. Although the BFA program is not designed for transfer students, transfer students may audition and be admitted, but they should consult with the Theatre Department’s Undergraduate Coordinator to evaluate their transfer credits and to estimate the length of their program of study. We encourage any student wishing to transfer to complete the General Education Program and the Common Program Prerequisites before transferring within the Florida Public University/Community College System.
- Design & Technology Students are required to take at least two level one design or technical direction elective courses following the completion of Scenography. Design & Technology Students are also required to take at least one level two design or technical direction elective course.
- All BFA Theatre majors who participate in production work must be registered for the appropriate Theatre Participation course in the term in which they participate. Students need not take additional hours to satisfy practicum requirements. Once students have completed their production participation requirements, they may register for a “0” credit participation course to meet departmental registration requirements. Students may also use additional participation credits as electives.
- The department will accept one credit of Theatre Participation coursework for students transferring into the program. Any additional transfer participation credits will count toward electives.
- Students must follow the most recent department student handbooks which are available on the department website at http://www.theatre.ucf.edu.
- Courses designated 2 (Common Program Prerequisites) are usually taken in the first 80 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.
- Design & Technology Students are required to take ARH 2051 as part of their GEP and are strongly encouraged to take ARH 2050 as an elective as early in their academic career as possible. Transfer students who have not completed ARH 2051 must complete the course at UCF.

1. UCF General Education Program (GEP) (36 hrs)
   A: Communication Foundations (9 hrs)
   B: Cultural & Historical Foundations (9 hrs)
   1 Required THE 2020 Survey of Theatre for Majors 3 hrs
   2 Required ARH 2051 History of Western Art II 3 hrs

The Department of Theatre, Performing Arts Center, Room: T211
http://www.theatre.ucf.edu/
E-mail: theatre@mail.ucf.edu
Be Boyd, Coordinator: Acting, bboyd@mail.ucf.edu
Bert Scott, Coordinator: Design & Technology, Stage Management, hscott@mail.ucf.edu
407-823-2862
hscott@mail.ucf.edu
Bert Scott, Coordinator: Design & Technology, Stage Management, hscott@mail.ucf.edu
Room: T211
College of Arts and Humanities
Theatre (B.F.A.)
http://www.theatre.ucf.edu
http://www.theatre.ucf.edu
http://www.theatre.ucf.edu

1 Required ARH 2051 History of Western Art II 3 hrs
UCF Degree Programs

1. This course is only taught during the fall semesters.
2. Design & Technology Students select ARH 2051 (History of Western Art II).

C: Mathematical Foundations (6 hrs)
1. Required MGF 1106 Finite Mathematics 3 hrs
2. Required STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

(May substitute for a higher level math)

D: Social Foundations (6 hrs)
E: Science Foundations (6 hrs)

2. Common Program Prerequisites (CPP) (20 hrs)
   1. THE 2200 Survey of Theatre for Majors GEP 3 hrs
   1. THE 2304 Script Analysis 3 hrs
   THE 2090L Theatre Participation-Management I 1 hr
   TPA 2280L Theatre Participation-Production I 1 hr
   TPA 3310C Directing for Theatre I 3 hrs

Acting
   1. Acting specialization take Acting I. Design & Technology and Stage Management take Fundamentals of Acting
   TPA 2210C Acting I - Introduction or
   TPA 2101 Fundamentals of Acting 3 hrs

Technical Theatre Production or Stagecraft I
   1. Acting Select Technical Theatre Production sequence. Design & Technology and Stage Management select Stagecraft I.

TPA 2220L Technical Theatre Production Lab 1 hr

or TPA 2210 Stagecraft I 3 hrs

Acting II or Stagecraft II
   1. Acting Specialization take Acting II. Design & Technology and Stage Management take Stagecraft II sequence.

   TPA 2170C Acting II - The Actor Prepares 3 hrs
   or TPA 2211 Stagecraft II 3 hrs

Design Basics or Elective
   1. Design & Technology and Stage Management select TPA 2000C. Acting Select Elective.

TPA 2000C Theatre Design Basics 3 hrs

or Theatre Elective offered by Theatre Department (DAA, THE, TPA, TPF Prefix) 3 hrs

1. See Transfer Notes for possible substitutes.

3. Core Requirements: Basic Level (9 hrs)
   1. THE 3311 Theatre History and Dramatic Literature I 3 hrs
   1. THE 3312 Theatre History and Dramatic Literature II 3 hrs
   1. THE 3313 Theatre History and Dramatic Literature III 3 hrs
   THE 2081C Introduction to UCF Theatre 1 hr
   THE 4954 Theatre Exit Critique 0 hrs

4. Core Requirements: Advanced Level (64 hrs)

Specialization: select one area

Acting Specialization 61 hrs
TPA 2248C Makeup Techniques and 2 hrs
DAA 2200C Ballet I and 2 hrs
TPP 2710C Voice Production I and 2 hrs
TPP 3112C Acting I - Building the Character and 3 hrs
TPP 3510C Movement for the Actor I and 3 hrs
TPP 3513C Movement for the Actor II and 2 hrs
TPP 4512C Stage Combat and 2 hrs
TPP 3257C Musical Theatre Voice I and 2 hrs
TPP 3258C Musical Theatre Voice II and 2 hrs
TPP 3711C Voice Production II and 2 hrs
TPP 3712C Voice Production III and 2 hrs
TPP 4730C Dialects and 2 hrs
TPP 4140C Acting IV - Creating the Role and 3 hrs
TPP 4142C Acting Verse and 3 hrs
TPP 4265C Camera Acting and 3 hrs
TPP 4531C Period Movement and 2 hrs
TPP 4221 Auditioning and 3 hrs
TPP 4223C Theatre Careers for Performance and 3 hrs
TPP 2190L Theatre Participation-Performace I and 1 hr
TPP 4940L Theatre Internship and 6 hrs

Restricted Electives (see list of courses) 12 hrs

Select 1: 2 hrs
DAA 2570C Jazz Dance I or
DAA 2100C Modern Dance I 2 hrs

Select 1: 1 hr
TPA 4293L Theatre Participation-Production II or
THE 4093L Theatre Participation-Management II or
TPP 4193L Theatre Participation-Performance II 1 hr

Stage Management Specialization 61 hrs
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
1. TPA 4293L Theatre Participation-Production II and
1. TPA 4293L Theatre Participation-Production II and
TPP 4400 Theatre Management and 1 hr
TPA 2201C Stage Electronics and 3 hrs
TPA 2220C Stage Electronics and 3 hrs
TPA 2600 Stage Management Basics and 3 hrs
TPA 3601 Stage Management and 3 hrs
TPA 4602 Advanced Stage Management and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
THE 2848 Period Costume, Architecture, and Decor I and 3 hrs
THE 2849 Period Costume, Architecture, and Decor II and 3 hrs
TPA 4401C Theatre Careers in Production and 3 hrs
TPA 4250C CADD for Theatre and 3 hrs
TPP 3103 Intermediate Acting and 3 hrs
TPA 2170C Introduction to Theatre Production 2 hrs
TPA 2600 Stage Management Basics and 3 hrs
TPA 3060C Scene Design for Theatre I or TPP 3040C 3 hrs
Costume Design for Theatre I and
TPP 4940L Theatre Internship and 6 hrs
Restricted Electives (see list of courses) 8 hrs

Select 1: 3 hrs
TPA 3221C Lighting Design for Theatre I or
TPA 3260C Sound Design for Theatre I 3 hrs

Design & Technology Specialization 64 hrs
ARH 2051 History of Western Art II and 3 hrs
TPA 2210L Stagecraft I Lab and 1 hr
TPA 2211L Stagecraft II Lab and 1 hr
TPA 2170C Introduction to Theatre Production 2 hrs
TPP 2220C Stage Electronics and 3 hrs
1. TPA 4293L Theatre Participation-Production II and
1. TPA 4293L Theatre Participation-Production II and
TPA 2600 Stage Management Basics and 3 hrs
TPA 2849 Period Costume, Architecture, and Decor I and 3 hrs
THE 2849 Period Costume, Architecture, and Decor II and 3 hrs
TPA 3195L Summer Theatre Studio/Design I and 3 hrs
TPA 3197L Summer Theatre Studio/Design II and 3 hrs
TPP 3195L Summer Theatre Studio/Design I and 3 hrs
TPP 3260C Scene Design for Theatre I or TPP 3040C 3 hrs
Costume Design for Theatre I and
TPP 4940L Theatre Internship and 6 hrs
Design Electives (see list of courses, choose three) 9 hrs

1. This course is taken twice
5. Restricted Electives
   1. Design Electives (see list of courses, choose three for credit hours)
Choose from the following:

- THE 4093L Theatre Participation-Management II 1 hr
- THE 3240 Musical Theatre Survey 3 hrs
- THE 5307 Contemporary Theatre Practice 3 hrs
- TPA 3077C Scene Painting 3 hrs
- TPA 3933C Topics in Technical Theatre 2 hrs
- TPA 3060C Scenic Design for Theatre I 3 hrs
- TPA 4061C Scenic Design for Theatre II 3 hrs
- TPA 3040C Costume Design for Theatre I 3 hrs
- TPA 3221C Lighting Design for Theatre I 3 hrs
- TPA 3260C Sound Design for Theatre I 3 hrs
- TPA 4041C Costume Design for Theatre II 3 hrs
- TPA 4224C Lighting Design for Theatre II 3 hrs
- TPA 4264C Sound Design for Theatre II 3 hrs
- TPA 4384C Advanced Topics in Technical Theatre 3 hrs
- TPA 3195L Summer Theatre Studio/Design I 3 hrs
- TPA 3197L Summer Theatre Studio/Design II 3 hrs
- TPA 2600 Stage Management Basics 3 hrs
- TPA 3601 Stage Management 3 hrs
- TPA 4400 Theatre Management 3 hrs
- TPA 4293L Theatre Participation-Production II 1 hr
- TPP 3197L Summer Theatre/Performance 3 hrs
- TPP 3952L Summer Studio Performance 3 hrs
- THE 4284 Period Costume, Architecture, and Decor I 3 hrs
- THE 4285 Period Costume, Architecture, and Decor II 3 hrs
- TPP 4143C Acting Styles 3 hrs
- ARH 2050 History of Western Art I 3 hrs
- TPA 2248C Makeup Techniques 2 hrs
- THE 2025 Introduction to Theatrical Design 3 hrs
- THE 4311C Advanced Directing for Theatre 3 hrs
- TPP 4193L Theatre Participation-Production II 1 hr
- TPA 4243C Circus Arts 2 hrs
- THE 3905 Directed Independent Study 1 hr
- DAA 3905 Directed Study 1 hr
- THE 4912 Directed Independent Research 1 hr
- DAA 4912 Directed Independent Research 1 hr
- THE 4423 Women in Theatre 3 hrs
- THE 4543 Theatre for Social Change 3 hrs
- THE 4212 Global Theatre 3 hrs
- THE 3383 Taboo Theatre: Sex & Violence on Stage 3 hrs
- THE 2250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
- Honors in the Major Directed Readings and Thesis 3 hrs

Other THE, 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 3060C Scenic Design for Theatre I 3 hrs
- TPA 3040C Costume Design for Theatre I 3 hrs
- TPA 3221C Lighting Design for Theatre I 3 hrs
- TPA 3260C Sound Design for Theatre I 3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

8. Electives
- (variable)

9. Additional Requirements
- None

10. Required Minors
- None

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course
- Maintain a "B" Theatre GPA (3.0) or better
- Complete an Exit Survey, Exit Interview and Audit Check the semester prior to final semester of theatre classes.

Complete 93 theatre credits in addition to the GEP for a total of 129. Courses that count in the GEP cannot also count towards total theatre credits.
- Minimum of 60 theatre credits must be completed in residency at UCF
- Computer Competency met by STA 1060C, TPA 4250C, or a computer science course.

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 129

Honors in Major
- None

Related Programs
- Film
- Music
- Theatre Studies

Certificates
- None

Related Minors
- Theatre
- Dance
- Art - Studio
- Music
- Film - Cinema Studies

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - THE 2020 May use any introductory course, however, 3 hrs
  - THE 2081 is a required course taught in conjunction with THE 2020. You must take THE 2081 at UCF. Some students with a transfer substitution choose to take THE 2020 at UCF as a theatre elective.
  - THE 2304 May use any introductory Theatre Play or Script Analysis class. Script Analysis for Film cannot substitute.
  - TPA 2210 may be substituted with any introductory Stagecraft Course. Lab will still need to be taken.
  - TPA 2201 may be substituted with any introductory Stagecraft course.
  - TPP 3310C Directing for Theatre I 3 hrs
- Or any introductory Theatre Directing 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/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
The Bachelor of Fine Arts Track in Musical Theatre serves those students interested in a career on the musical theatre stage. It is offered for students who, upon graduation, plan to pursue a professional career in the arts. Because of its geographic location, the University of Central Florida 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 training 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](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](http://www.theatre.ucf.edu) for details.
- All students must submit a resume, black & white or color head shot, three letters of recommendation, and transcripts of previous college work at the time of interview.
- All BFA musical theatre students are accepted on a “Provisional” basis their first year. Faculty will evaluate their work and decide whether or not the student may continue the program at the end of the first year.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at the audition/interview. Scholarship decisions are usually finalized in August.
- The Musical Theatre plan of study requires a Fall start for proper course sequencing. Students are not accepted to begin theatre courses in the Spring or Summer semesters.

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog.
- Students must adopt the most current internship manual upon registration for their internship. Internships are subject to departmental approval and may not be fulfilled through participating on a UCF Conservatory Theatre Production.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for possible release from program.
- Continuation in the BFA program requires a positive annual BFA Review every semester. More than one negative review at any time in the program can lead to removal from the program.
- Co-op cannot be used in this major.
- Students must consult with a departmental advisor every semester before registration. Students who do not consult with their departmental advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a departmental 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 website at [http://www.theatre.ucf.edu](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 Prerequisites) are usually completed in the first 60 hours.
- Courses designated 1 (General Education Program) are taken throughout all four years.

**UCF General Education Program (GEP)** (36 hrs)

**A: Communication Foundations** (9 hrs)

**B: Cultural & Historical Foundations** (9 hrs)

Required THE 2020 Survey of Theatre for Majors 3 hrs

Select one course from 1.B.1 list 3 hrs

Select one course from 1.B.1 or 1.B.2 list 3 hrs

**C: Mathematical Foundations** (6 hrs)

1 Prefer MGF 1106 Finite Mathematics 3 hrs

Prefer STA 1060C 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)** (20 hrs)

See “Common Prerequisites” in the Transfer and Transitions Services section for more information.

1 THE 2020 Survey of Theatre for Majors GEP

1 THE 2304 Script Analysis 3 hrs

THE 2090L Theatre Participation-Management I 1 hr

TPA 2290L Theatre Participation-Production I 1 hr

1 TPA 2201 Technical Theatre Production 2 hrs

TPA 2201L Technical Theatre Production Lab 1 hr

1 TPP 3310C Directing for Theatre I 3 hrs

TPP 2110C Acting I - Introduction 3 hrs

TPP 2170C Acting II - The Actor Prepares 3 hrs

Theatre Elective (THE, TPP, TPA prefix) 3 hrs

1 See Transfer Notes for possible substitutes.

**3. Core Requirements: Basic Level** (20 hrs)

MUT 1121 Music Theory and Musicianship I 4 hrs

MUT 1122 Music Theory and Musicianship II 4 hrs

DAA 2200C Ballet I 2 hrs

DAA 2201C Ballet II 2 hrs

DAA 2570C Jazz Dance I 2 hrs

DAA 2571C Jazz Dance II 2 hrs

DAA 2520C Tap Dance I 2 hrs

TPA 2248C Makeup Techniques 2 hrs

THE 2081C Introduction to UCF Theatre 0 hrs
4. Core Requirements: Advanced Level (50 hrs)
   - TPP 3172C Acting III - Building the Character 3 hrs
   - TPP 4140C Acting IV - Creating the Role 3 hrs
   - TPP 3250 Musical Theatre Acting I 3 hrs
   - TPP 3252 Musical Theatre Acting II 3 hrs
   - THE 4244 Musical Theatre History I 3 hrs
   - THE 4245 Musical Theatre History II 3 hrs
   - THE 3311 Theatre History and Dramatic Literature I 3 hrs
   - THE 3312 Theatre History and Dramatic Literature II 3 hrs
   - TPP 3257C Musical Theatre Voice I 2 hrs
   - TPP 3258C Musical Theatre Voice II 2 hrs
   - TPP 4259C Musical Theatre Voice III 2 hrs
   - TPP 4923C Musical Theatre Voice IV 2 hrs
   - TPP 4746C Musical Theatre Repertoire 2 hrs
   - TPP 4940L Theatre Internship 6 hrs
   - TPP 4253C Musical Theatre Acting III 3 hrs
   - TPA 4223C Theatre Careers for Performance 3 hrs
   - THE 4954 Theatre Exit Critique 0 hrs

Select 1: 2 hrs
   - (1 credit course, must be taken twice)
     - TPA 4293L Theatre Participation-Performance II 1 hr
     - THE 4093L Theatre Participation-Management II 1 hr
     - TPP 4143C Acting Styles 3 hrs
     - TPP 4512C Stage Combat 2 hrs

Select 1: 2 hrs
   - Any DAA or DAN courses not already required, taught by the department, and with departmental approval.
     - TPP 4531C Period Movement or 2 hrs
     - TPA 4512C Stage Combat 2 hrs

5. Restricted Electives (1 hr)
   - Chosen from the following
     - DAN 3134 Dance History I 3 hrs
     - DAA 3612 Dance Improvisation/Composition I 3 hrs
     - DAA 3100C Modern Dance I 3 hrs
     - DAA 3684 Dance Performance 1 hr
     - DAA 2521C Tap Dance II 2 hrs
     - DAA 3524C Tap Dance I 3 hrs
     - DAA 3208C Ballet III 2 hrs
     - DAA 2101C Modern Dance II 2 hrs
     - DAA 3108C Modern Dance III 2 hrs
     - DAA 2390C World Dance 2 hrs
     - DAA 3645 Choreography Practicum 2 hrs
     - TPP 4730C Dialects 2 hrs
     - TPP 4142C Acting Verse 3 hrs
     - TPP 4265C Camera Acting 3 hrs
     - TPP 4268C Acting V. Advanced Acting For TV/Film 3 hrs
     - THE 4220 Cultural Diversity in Theater 3 hrs
     - THE 5307 Contemporary Theatre Practice 3 hrs
     - TPA 3195L Summer Theatre Studio/Text/Design I 3 hrs
     - TPA 3197L Summer Theatre Studio/Text/Design II 3 hrs
     - TPA 3952L Summer Studio Performance 3 hrs
     - TPA 4143C Acting Styles 3 hrs
     - TPA 2600 Stage Management Basics 3 hrs
     - TPA 4400 Theatre Management 3 hrs
     - THE 4284 Period Costume, Architecture, and Decor I 3 hrs
     - THE 4285 Period Costume, Architecture, and Decor II 3 hrs
     - TPP 4221 Auditioning 3 hrs
     - THE 3313 Theatre History and Dramatic Literature III 3 hrs
     - TPA 4311C Advanced Directing for Theatre 3 hrs
     - THE 4093L Theatre Participation-Management II 1 hr
     - TPA 4293L Theatre Participation-Production II 1 hr
     - TPA 3601 Stage Management 3 hrs
     - TPP 4521C Stage Combat 2 hrs
     - TPP 4243C Circus Arts 2 hrs
     - THE 4423 Women in Theatre 3 hrs
     - THE 4543 Theatre for Social Change 3 hrs
     - THE 4212 Global Theatre 3 hrs
     - THE 3393 Taboo Theatre: Sex & Violence on Stage 3 hrs
     - THE 2250 Sex, Drugs, & the Rock and Roll Musical 3 hrs
     - TPP 4746C Musical Theatre Repertoire 2 hrs

Honors in the Major Directed Readings and Thesis 3-6 hrs
   - THE 4912 Undergraduate Research (see #1 footnote) 3-6 hrs
   - THE 3905 Independent Study (see #1 footnote) 1-9 hrs

1 Other THE, TPA, TPP, DAA or DAN courses not already required and as approved by the department requires instructor and departmental approval in advance.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - 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.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 129

Honors In Major
- None

Related Programs
- Music
- Film - Cinema Studies
- Theatre
- Dance

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Undergraduate Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.
- Transfer students will be required to meet the departmental theatre participation requirement through participation on UCF productions.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses
- Acceptable Substitutes for common program prerequisites if taken prior to transferring to UCF:
  - THE 2020 Survey of Theatre for Majors 3 hrs
  - May be substituted with:
UCF Degree Programs

Theatre Studies (B.A.)
College of Arts and Humanities
Department of Theatre, University Tech Center,
Room: 1A0
http://www.theatre.uch.edu/
E-mail: jshafer@ucf.edu
John Shafer
407-823-2662

The Bachelor of Arts Degree is designed to offer a thorough foundation in theatre while providing flexibility and opportunity for interdisciplinary study with a required minor. Upon graduation, UCF students can choose to pursue further education or enter the job market with a skill set unique to their goals.

Admission Requirements
- The departmental faculty evaluates, via an interview, students who desire to become BA majors. For complete information visit http://www.theatre.ucf.edu.
- All students must submit a three letters of recommendation, a resume, and transcripts of previous college work at the time of interview.
- Departmental scholarship applications are due by April 15. Scholarship applications for incoming students are available at your interview appointment. Scholarship decisions are usually finalized in August.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- Students are required to complete a minor to graduate.
- Students who complete a double major fulfill the minor requirement automatically.
- Students must maintain a minimum “B” (3.0) overall Theatre GPA to continue in the major.
- Theatre grades of less than “C” (2.0) will not be counted in the major or toward total theatre credits. Earning a grade less than “C” (2.0) in any theatre course will cause the student to be placed on departmental probation for one semester which causes him/her to be ineligible for casting or other department production positions. If grades improve probation is lifted. If grades do not improve the student may be released from the program. Semesters of poor performance need not be sequential for probation. 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. Courses designated in 1 (General Education Program) are usually completed in the first 90 hours.
- Students must consult with a department advisor each semester before registering. Students who do not consult with their department advisor will be placed on departmental probation which causes him/her to be ineligible for casting or other production positions. Repeated failure to consult with a department advisor may lead to release from the program. Departmental Residency Requirement consists of at least 30 semester hours of courses taken from the UCF Theatre Department.

1 may use any introductory course. However, THE 2020 is a prerequisite for all theatre courses and may still need to be taken.

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at http://www.oes.ucf.edu/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

1 See Transfer Notes for possible substitutes

UCF General Education Program (GEP) (36 hrs)

A: Communication Foundations (9 hrs)
- Required THE 2020 Survey of Theatre for Majors 3 hrs
- Select one course from 1.B.1 list 3 hrs
- Select one course from 1.B.2 list 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Required THE 2020 Survey of Theatre for Majors 3 hrs
- TPP 3310C Directing for Theatre I 3 hrs
- TPP 2700C Stage Speech/Voice 3 hrs
- TPP 2101 Fundamentals of Acting 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) (20 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
- Required THE 2020 Survey of Theatre for Majors 3 hrs
- TPP 2101 Fundamentals of Acting 3 hrs
- Theatre Elective (THE, TPP, TPA Prefix) 3 hrs

1 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (10 hrs)
- THE 3311 Theatre History and Dramatic Literature I 3 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- THE 3313 Theatre History and Dramatic Literature III 3 hrs
- THE 2081C Introduction to UCF Theatre 0 hrs
- THE 4954 Theatre Exit Critique 0 hrs

Select 1:
- TPP 4293L Theatre Participation-Production I 1 hr
- THE 4093L Theatre Participation-Management II 1 hr
- TPA 4293L Theatre Participation-Production II 1 hr
- TPA 4293L Theatre Participation-Production III 1 hr

5. Restricted Electives (16 hrs)
- Select 16 hours from the following:
  - THE 4230 Cultural Diversity in Theatre 3 hrs
  - TPA 3264C Acting on Camera 3 hrs
  - TPP 3264C Acting on Camera 3 hrs
  - THE 2025 Introduction to Theatrical Design 3 hrs
  - THE 3240 Musical Theatre Survey 3 hrs
  - THE 4230 Cultural Diversity in Theatre 3 hrs

1 See Transfer Notes for possible substitutes
1. Theatre Participation-Performance II 1 hr
2. Contemporary Theatre Practice 3 hrs
3. Makeup Techniques 2 hrs
4. Period Costume, Architecture, and Decor I 3 hrs
5. Period Costume, Architecture, and Decor II 3 hrs
6. Summer Theatre Studio/Tech/Design I 3 hrs
7. Summer Theatre Studio/Design II 3 hrs
8. Stage Management Basics 3 hrs
9. Theatre Management 3 hrs
10. Intermediate Acting 3 hrs
11. Summer Theatre/Performance 3 hrs
12. Summer Studio Performance 3 hrs
13. Advanced Directing for Theatre 3 hrs
14. Stage Management 3 hrs
15. Circus Arts 2 hrs
16. Directed Independent Research 1 hr
17. Stage Combat 2 hrs
18. Women in Theatre 3 hrs
19. Theatre for Social Change 3 hrs
20. Global Theatre 3 hrs
21. Taboo Theatre: Sex & Violence on Stage 3 hrs
22. Sex, Drugs, & the Rock and Roll Musical 3 hrs
23. Directed Independent Research 1 hr
24. Any DAA or DAN courses taught by the theatre department 2 hrs
25. Honors in the Major Directed Readings and Thesis (see #1 footnote) 3 hrs

Other THE, TPA, or TPP courses as approved by the department requires departmental approval in advance.

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions
- Met by graduation requirement

Graduation
- Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

8. Electives
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements
- None

10. Required Minors
- Theater Studies BA students must complete a minor of at least 18 hours. See discipline for Minor requirements, information, and changes.

University upper division credit hour requirements must be met. Students are discouraged from taking excess hours and should consider total credit hours required when selecting a minor. Students are free to pursue any minor open to them, but are encouraged to participate in the department’s Associated Minor program which provides additional career advising support targeted at specific career paths. Please see the departmental handbook for a more complete description of the program and a list of Associated Minors. Participation in an Associated Minor must be approved after interview with the Area Coordinator of BA Theatre Studies.

11. Departmental Exit Requirements
- Earn a grade of "C" (2.0) or better in each Theatre course.
- Write an Exit Critique of a UCF-affiliated production and pass with a 75% or better score the semester prior to final semester of theatre classes.
- Complete an Exit Survey, and Exit Interview/Audit Check the semester prior to final semester of theatre classes.
- Minimum of 30 theatre credits must be completed in residency at UCF.
- Computer Competency met by the following or Computer Science Course:
  - STA 1060C Basic Statistics Using Microsoft Excel 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF

- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 120

Honors In the Major
- None

Related Programs
- Film
- Music
- Theatre

Certificates
- None

Related Minors
- Art - Studio
- Film - Cinema Studies
- Dance

Advising Notes
- None

Transfer Notes
- Courses taken at community colleges may substitute for select Upper Division courses with permission of the department, although they will not count as Upper Division credits. University minimum Upper Division credit requirement must still be met.

Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.

Acceptable Substitutes for Transfer Courses

1. Survey of Theatre for Majors 3 hrs
   - THE 2020

2. Script Analysis 3 hrs
   - THE 2304
   - THE 2304
   - TPP 3310C

3. Technical Theatre Production 2 hrs
   - TPP 2101
   - TPP 2201
   - TPP 2300
   - TPP 3310C

4. Fundamentals of Acting 3 hrs
   - TPP 2101
   - TPP 2201
   - TPP 2300

5. May use any introductory course. However, THE 2020 is a prerequisite for all Theatre courses and will still need to be taken.
6. 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:

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term
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
- Biomedical Sciences
- Business
- Chemistry
- Coaching
- Cognitive Sciences
- Communication Sciences and Disorders
- Community Arts - PAVE
- Computer Science
- Crime, Law, and Deviance
- Criminal Justice
- Dance
- Digital Media
- Diversity and Social Inequality
- Early Childhood Development and Education
- Economic Policy
- Economics
- Education
- Emergency Management and Homeland Security
- Energy and Sustainability
- Engineering Leadership
- English - Creative Writing
- English - Linguistics
- English - Literature
- English - Technical Communication
- English Language Arts Education
- Entrepreneurship
- Environmental Studies
- European Studies
- Exceptional Education
- Film - Cinema Studies
- Finance
- Fitness Training
- Foreign Language Education
- French
- German
- Health Informatics and Information Management
- Health Sciences
- Health Services Administration
- History
- Hospitality Management
- Humanities
- Information Technology
- Intelligent Robotic Systems
- Interdisciplinary Informatics Technology
- International and Global Studies
- International Business
- International Engineering
- Interpersonal/Organizational Communication
- Italian
- Journalism Studies
- Judaic Studies
- Latin American Area Studies

**Leadership Studies**

- Legal Studies
- Magazine Journalism
- Marketing
- Mass Communication
- Mass Culture and Collective Behavior
- Mathematics
- Mathematics Education
- Medical Anthropology
- Medical Sociology
- Medieval and Renaissance Studies
- Middle Eastern Studies
- Military Science
- Music
- Nonprofit Management/American Humanics National Certification Program
- North American Indian Studies
- Performing Arts Administration
- 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
- Sociology
- Spanish
- Sport Business Management
- Statistics
- Technical Education and Industry Training
- Technological Entrepreneurship Theatre
- Urban and Regional Planning
- Women’s Studies
- World Comparative Studies
- Writing and Rhetoric

**Certificates**

- Aging Studies Certificate
- Behavioral Forensics Certificate
- Children’s Services Certificate
- Crime Analysis and Crime Mapping Certificate
- Crime Scene Investigation Certificate
- Criminal Profiling Certificate
- Cultural Tourism Certificate
- Diplomacy Certificate
- Educational Studies Certificate
- Finance: Banking Certificate
- Finance: Corporate Finance Certificate
- Finance: Investments Certificate
- Judaic Studies Certificate
- Language Development and Disorders Certificate
- Leadership Studies Certificate
- Marketing: e-Marketing Certificate
- Marketing: Entertainment Marketing Certificate
- Marketing: Healthcare Marketing Certificate
- Marketing: Retailing Management Certificate
- Marketing: Selling and Sales Management Certificate
- Marketing: Services Marketing Certificate
- Marketing: Sport Marketing Management Certificate
- Military Science Certificate
- Nonprofit Management Certificate
- Public and Professional Writing Certificate
- Real Estate: Mortgage Brokerage Certificate
- Real Estate: Real Estate Appraisal Certificate
- Real Estate: Real Estate Brokerage Certificate
- Security Management Certificate
- Service-Learning Certificate
- Substitute Teaching Certificate
- Teaching English as a Foreign Language Certificate
- Translation and Interpretation Certificate
- Victim Advocacy Certificate
- Women’s Studies Certificate

**Additional UCF Programs**

- Study Abroad Programs:
  - Australia
  - Austria
  - Brazil
  - The Bahamas
  - China
  - Costa Rica
  - Czech Republic
  - France
  - Germany
  - Honduras
  - Ireland
  - Italy
  - Japan
  - The Netherlands
  - Peru
  - Poland
  - Russia
  - Spain
  - Sweden
  - Taiwan
  - United Kingdom
Accounting - Minor
College of Business Administration
Kenneth G. Dixon School of Accounting,
Business Administration II, Room: 101
http://web.bus.ucf.edu/academics/accounting/
407-823-2184

For Business and Non-Business Majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses

Select 1: 3 hrs
■ May not be counted as an elective if selected as a required course.
ACG 3131 Intermediate Financial Accounting I or 3 hrs
ACG 3381 Cost Accounting I 3 hrs

Restricted Electives
(12 hrs)
Select 4:
■ At least two courses must have either an ACG or TAX prefix
AGG 2021 Principles of Financial Accounting 3 hrs
AGG 2071 Principles of Managerial Accounting 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 21

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Actuarial Science - Minor
College of Sciences
Department of Statistics, Computer Center II,
Room: 212
http://statistics.cos.ucf.edu/
Dr. David Nickerson, nickerson@mail.ucf.edu, 407-823-5528

This minor is designed to satisfy the Society of Actuaries (SOA) Validation by Educational Equivalence requirements in the areas of Economics, Corporate Finance and Applied Statistics and prepare students for SOA Exam P, Exam FM and Exam MFE. It also will prepare them to take the Casualty Actuarial Society (CAS) Exam 1, Exam 2, and Exam 3F. Students who complete this minor will have completed the requirements for a Statistics minor, and should also apply for that minor prior to graduation. Alternatively, the minor will satisfy many requirements in the Statistics B.S. degree, so students may want to consider the Statistics B.S. with the Actuarial Science minor.

Minor Admission Requirements
■ Students need to complete the prerequisite courses.

Minor Requirements
■ A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
■ At least 15 hours used in the minor must be earned at UCF within the Department of Statistics.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.
■ Students are expected to have completed some of the following courses as part of their GEP requirement.
ECO 2013 Principles of Microeconomics 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

Required Courses

Restricted Electives
■ No additional courses are required.

Foreign Language Requirements
■ No Foreign Language is required.

Total Semester Hours Required
■ 25

Other Requirements
■ No credit by exam (TSD, Military credit) may be used toward the minor.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ Any course substitutions must be approved by the program coordinator in advance of their being taken.

Aerospace Studies - Minor
College of Engineering and Computer Science
Air Force ROTC, ROTC Trailer, Room: 103
Col. Michael J. Chandler
Phone: 407-823-1247

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses

Required Courses

Foreign Language Requirements
■ None
Minors

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 16

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without the approval of the program coordinator.

African American Studies - Minor
College of Arts and Humanities
Program in African American Studies, Colbourn Hall, Room: 411
http://www.aas.cah.ucf.edu/
J. Stephenson, 407-823-0026

The African American Studies minor is designed to complement a student’s major area of study. The minor requires a core of African American Studies courses as well as a selection of directed electives in Fine Arts, History, English, Modern Languages, Music, Literatures, Political Science, Psychology, Sociology, Anthropology, Film, and Theatre.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- AFA 3104  The Black Intellectual Experience  3 hrs
- AMH 3571  Black American History I  3 hrs

Restricted Electives (12 hrs)
- Additional courses may be used only with the prior permission of the program Director.
- AFA 3102  Black Perspectives: A Multidisciplinary Approach  3 hrs
- AFA 2300  African American Music  3 hrs
- AFA 3955  Study Abroad in Eastern Caribbean  6 hrs
- AMH 3572  Black American History II  3 hrs
- AML 3614  Topics in African-American Literature  3 hrs
- AML 3615  Harlem, Haiti, and Havana  3 hrs
- ARH 3520  African Art  3 hrs
- INR 3253  International Politics of Africa  3 hrs
- FIL 3831  Black Cinema  3 hrs
- LAH 3470  History of the Caribbean  3 hrs
- LAS 4023  African Caribbean Experience  3 hrs
- LIT 3192  Caribbean Literature  3 hrs
- MUL 2016  Evolution of Jazz  3 hrs
- POS 4622  Politics and Civil Rights  3 hrs
- PUP 3314  Minorities in American Politics  3 hrs
- SOP 3724  Psychology of Prejudice  3 hrs
- SYD 3700  Race and Ethnicity  3 hrs
- AFA 4105  Documenting African American Heritage and Life  3 hrs
- AFH 3100  African History to 1870  3 hrs
- AFH 3200  African History Since 1870  3 hrs
- AFH 5806  The Historiography of Slavery in Africa  3 hrs
- AMH 3403  History of the South Since 1865  3 hrs
- ANT 3398  Black/Seminole Relations  3 hrs
- ANT 3319  Anthropology of Diaspora  3 hrs
- ANT 4340  Caribbean Cultures  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Aging Studies - Minor
College of Health and Public Affairs
School of Social Work, Health and Public Affairs, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of older adults in Central Florida, the University offers an eighteen-hour interdisciplinary program leading to a Minor in Aging Studies. The minor is open to all students in any major. This minor prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business, exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful.

Minor Admission Requirements
- None

Minor Requirements
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- 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
- Select One:
  - HSA 4941  Internship  3 hrs
  - PSY 3951  Undergraduate Field Work  3 hrs
  - SYP 4941  Internship  3 hrs
  - 1 SOW 4510  Field Education  9 hrs
  - 2 SOW 4941  Internship  9 hrs

1 For full-time students
2 For part-time students over two semesters

Restricted Electives (12 hrs)
- 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 4220  Long Term Patient Management  3 hrs
- HSA 3222  Long Term Care and Administration  3 hrs
- HSC 4564  Health Care Needs of the Elderly  3 hrs
- PLA 4350  Legal Issues of the Elderly  3 hrs
- SOW 4645  Social Services for the Elderly  3 hrs
- NUR 4286  Gerontologic Nursing  3 hrs
- SOW 3740  Social Work Practice with Loss & Life’s Transitions  3 hrs

Other Colleges
- DEP 3464  Psychology of Aging  3 hrs
- SYP 4730  Patterns of Aging in Society  3 hrs
- 1 GEY 5007  Women and Healthy Aging  3 hrs
- SYP 4732  Minority Aging  3 hrs

1 Open to undergraduates with senior standing

Foreign Language Requirements
- None

Total Semester Hours Required
- 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: 290
http://www.cah.ucf.edu
Lyman Brodie, lbrodie@mail.ucf.edu, 407-823-2292
Phone: 407-823-2251

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- (9 hrs)
  Literature and Humanities
  Select 1: 3 hrs
  - AML 3031 American Literature I or
  - AML 4101 American Novel or
  - AML 4281 Literature of the South or
  - AML 3882 Ethnic Literature in America

Select 1: 3 hrs
- POS 3413 The American Presidency or
- POT 3204 American Political Thought or
- SYD 3700 Race and Ethnicity or
- SYP 3630 Popular Culture in Society

History
- Select 1: 3 hrs
  - AMH 3561 Women in American History I or
  - AMH 4110 Colonial America, 1607-1763 or
  - AMH 4130 The Age of the American Revolution, 1763-1789 or
  - AMH 4311 American Culture I or
  - AMH 4313 American Culture II

Restricted Electives
- (12 hrs)
  - 12 additional upper level hours. Select courses not already used from lists above.

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least eighteen credit hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- No more than 9 hours may be taken in one area.

Anthropology - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Arlen Chase
Phone: 407-823-2227

The Anthropology minor develops a student’s holistic understanding of the past and present human condition. Four different concentrations are delimited within the Anthropology minor.

Minor Admission Requirements
- The minor is not open to Anthropology majors.

Minor Requirements
- Students must earn a grade of “C” (2.0) or better in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Anthropology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- (3 hrs)
  - ANT 2000 General Anthropology

Restricted Electives
- (15 hrs)
  A. Concentration in General Anthropology
  - ANT 2140 Archaeology and the Rise of Human Culture
  - ANT 2410 Cultural Anthropology
  - ANT 2511 The Human Species
  - Complete at least two of the following courses; 6 hrs
  - Select two upper level (3000-5000) courses in Anthropology

B. Concentration in Archaeology
- (15 hrs)
  - ANT 2140 Archaeology and the Rise of Human Culture
  - Complete at least four of the following courses; 12 hrs
  - ANT 3106 Archaeology and Popular Culture or
  - ANT 3115 Archaeological Method and Theory or
  - ANT 3142 Old World Prehistory or
  - ANT 3145 Archaeology of Complex Societies or
  - ANT 3148 Life and Death in Ancient Egypt or
  - ANT 3152 Indians of the Southwest or
  - ANT 3158 Florida Archaeology or
  - ANT 3160 Americas Before Columbus or
  - ANT 3161 Archaeology of Mexico or
  - ANT 3163 Mesoamerican Archaeology or
  - ANT 3164 Ancient Incas or
  - ANT 3165 Archaeology of South America or
  - ANT 3168 Maya Archaeology or
  - ANT 3173 Archaeology of Sex or
  - ANT 3177 Archaeology of Caribbean Piracy or
  - ANT 4144 Prehistory of North America or
  - ANT 4153 North American Archaeology or
  - ANT 4180C Seminar in Laboratory Analysis or
  - ANT 4183 Archaeological Sciences or
  - ANT 4184 Mortuary Archaeology or
  - ANT 4824 Advanced Archaeological Fieldwork or
  - ANG 5822 Maya Field Research or
  - ANG 5166 Problems in Maya Studies or
  - ANG 5167 Maya Hieroglyphs or
  - ANG 5228 Maya Iconography

1 or its graduate equivalent.

C. Concentration in Physical Anthropology
- (15 hrs)
  - ANT 2511 The Human Species
  - Complete at least four of the following courses; 12 hrs
  - ANT 3148 Life and Death in Ancient Egypt or
  - ANT 3541 Biobehavioral Anthropology or
  - ANT 3550 Primatology or
  - ANT 4183 Archaeological Sciences or
  - ANT 4184 Mortuary Archaeology or

1 or its graduate equivalent.
### Minors

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 4462</td>
<td>Medical Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ANT 4467</td>
<td>Nutritional Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4516</td>
<td>Human Biological Diversity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4521</td>
<td>Forensic Anthropology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4528C</td>
<td>Human Osteology or</td>
<td>4 hrs</td>
</tr>
<tr>
<td>ANT 4528C</td>
<td>Advanced Forensic Anthropology or</td>
<td>5 hrs</td>
</tr>
<tr>
<td>ANT 4560</td>
<td>Anthropological Perspectives on Human Growth or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANT 4586</td>
<td>Native American or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>ANG 5742</td>
<td>Problems in Forensic Anthropology or</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

* or its graduate equivalent.

#### D. Concentration in Cultural Anthropology

- **ANT 2410** Cultural Anthropology 3 hrs

**Complete at least four of the following courses:**

- **ANT 3152** Indians of the Southwest or 3 hrs
- **ANT 3164** Ancient Incas or 3 hrs
- **ANT 3212** Peoples of the World or 3 hrs
- **ANT 3241** Magic, Ritual, and Belief or 3 hrs
- **ANT 3245** Native American Religions or 3 hrs
- **ANT 3262** Rural Society or 3 hrs
- **ANT 3273** Law and Culture or 3 hrs
- **ANT 3302** Sex, Gender and Culture or 3 hrs
- **ANT 3311** Indians of the Southeastern United States or 3 hrs
- **ANT 3312** Ethnology of North American Indians or 3 hrs
- **ANT 3313** Indians of North America High Plains or 3 hrs
- **ANT 3314** Indians of the Northeast Woodlands or 3 hrs
- **ANT 3318** Indians of the Northwest Coast or 3 hrs
- **ANT 3398** Black/Semihone Relations or 3 hrs
- **1 ANT 4332** People and Cultures of Latin America or 3 hrs
- **1 ANT 4303** Anthropology of Tourism or 3 hrs
- **ANT 3701** Applied Anthropology or 3 hrs
- **ANT 4702** Culture, Power and Development or 3 hrs
- **ANT 4802** Ethnographic Field Methods or 3 hrs
- **ANT 3363** Anthropology of Japan or 3 hrs
- **1 ANT 3610** Language and Culture or 3 hrs
- **1 ANT 4340** Caribbean Cultures or 3 hrs
- **ANT 3319** Anthropology of Diaspora or 3 hrs
- **ANT 4034** History of Anthropological Thought or 3 hrs
- **ANT 4266** Economic Anthropology: Production, Consumption, and Exchange or 3 hrs
- **ANT 4308** Gender Issues in Latin America or 3 hrs
- **ANT 4352** African Societies and Cultures or 3 hrs
- **ANT 4354** Postcolonial Africa or 3 hrs
- **ANT 4408** Culture, Disease, and Healing or 3 hrs
- **ANG 5167** Maya Hieroglyphs or 3 hrs
- **ANG 5228** Maya Iconography or 3 hrs
- **ANG 5622** Language, Culture and Pedagogy or 3 hrs

* 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.

### 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.

### Art - Studio - Minor

#### College of Arts and Humanities

School of Visual Arts and Design, Visual Arts Building, Room: 117

**http://www.svad.cah.ucf.edu/**

Donna Mercado, 407-823-6100

#### Minor Admission Requirements

- None

#### Minor Requirements

- None

#### Prerequisite Courses

- None

#### Required Courses

- **18 hrs**
  - APH 2050 History of Western Art I 3 hrs
  - APH 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

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Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least six of the required hours must be regularly scheduled 3000-4000 level courses in one area of specialization and taken at UCF.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
- Students in this program must satisfactorily complete the mandatory ART 3950 - Portfolio Review before enrolling in upper division ART courses.

Minor Admission Requirements
- None

Minor 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 or
  - ARH 4540 Art of India or
  - ARH 4653 Meso American Art 3 hrs

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 6 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 27

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least two of the required courses must be regularly scheduled 3000-4000 level courses in one area of specialization in the School of Visual Arts and Design.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.

No credit by exam (TSD, Military credit) may be used.
Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Asian Studies - Minor
College of Arts and Humanities
http://www.cah.ucf.edu/
Dr. Paul Giordano, 407-823-2472
An interdisciplinary minor in which several UCF departments participate in order to offer students a basic and well-rounded background in the field. Courses are to be selected in consultation with a departmental advisor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- HUM 3401 Asian Humanities 3 hrs

Restricted Electives (18 hrs)
- Approved courses (see department for listing)

Foreign Language Requirements
- One year or the equivalent proficiency examination (0-8 hrs).
Students taking foreign language classes must complete at least six hours in the sequence chosen (e.g. Chinese, Japanese).

Total Semester Hours Required
- 21

Other Requirements
- Students must earn at least a “C” (2.0) in each course used to satisfy the minor.
- At least fifteen credits hours must be earned in upper level credits.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used in the minor without prior approval by the director.

Astronomy - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
E-mail: physics@ucf.edu
Dr. Humberto Campins
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors with an Astronomy specialization.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- AST 2002 Astronomy 3 hrs
- AST 2002L Astronomy Lab 1 hr
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- AST 3110 Solar System Astronomy 3 hrs
- AST 3211 Stellar Astrophysics 3 hrs
- AST 3402 Galaxies and Cosmology 3 hrs
- AST 3722C Techniques of Observational Astronomy 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None
Minors

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used toward the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Bioengineering - Minor
College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu/minors/bioengineering
Dr. Alain Kassab, Engineering Track, alain.kassab@ucf.edu, 407-823-5778
Dr. Charles Hughes, Computer Science Track, ceh@cs.ucf.edu, 407-823-2762

The Bioengineering minor prepares engineering and computer science students to pursue graduate academic and professional careers serving a wide range of the medical arena in research and development. Candidates completing this minor will also satisfy course admissions requirements for the UCF Medical School and other medical schools in the US. Engineering and computer science students interested in pursuing an MD degree at UCF or elsewhere are strongly encouraged to seek further advisement from the Office of Pre-Professional Advisement or the Pre-Health Professions Advisement office. The minor constitutes up to: (a) 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 bachelor's degree in computer science at UCF.

Minor Admission Requirements
- Admission Requirements: Entrance into the minor is required upon admission to the University and requires a minimum high school unweighted GPA 3.7, and ACT 30 or SAT 1300. Well-qualified students in the College of Engineering and Computer Science of at least junior standing can also be considered for admission into the minor. In order to remain in the program, students must maintain a UCF Undergraduate GPA of 3.0. Candidates should contact the CECS Academic Affairs Office, bioengineering@ucf.edu, for application into the minor. Applications will be reviewed and decisions rendered by an admissions committee.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (25 hrs)
- PHY 2048C Physics for Engineers & Scientists I 3 hrs
- PHY 2049C Physics for Engineers and Scientists II 3 hrs
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- EGN 4941 Internship 1 hr

Restricted Electives (6 hrs)
- Students will select either the Engineering Track or Computer Science Track to define their elective choices.

Engineering Track
- 6 hrs
Select 1:
- EMA 5584 Biomechanics or 3 hrs
- EML 5760 Biofluid Mechanics or 3 hrs
- EEE 5272 Biomedical Sensors or 3 hrs
- EES 4111C Biological Process Control or 3 hrs
- EIN 5248C Ergonomics 3 hrs
Select 1:
- CAP 5512 Evolutionary Computation or 3 hrs
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- PCB 302C General Microbiology or 5 hrs
- PCB 352 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs

Computer Science Track
- 6 hrs
Select 1:
- CP 5512 Evolutionary Computation or 3 hrs
- COT 6417 Algorithms on Strings and Sequences 3 hrs
Select 1:
- BCH 4053 Biochemistry I or 3 hrs
- BSC 3403C Quantitative Biological Methods or 4 hrs
- BSC 5418 Tissue Engineering or 3 hrs
- MCB 302C General Microbiology or 5 hrs
- PCB 3522 Molecular Biology I or 3 hrs
- PCB 3703C Human Physiology or 4 hrs
- ZOO 3733C Human Anatomy or 4 hrs
- ZOO 3744 Neurobiology or 3 hrs
- PCB 3063 Genetics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 41

Other Requirements
- Open only to engineering and computer science majors.
- A grade of “B” (3.0) or better is required in each course used to satisfy the minor.
- The Bachelors of Science must be completed in order for the minor to be awarded.

Biology - Minor
College of Sciences
Department of Biology, Biology, Room: 301
http://www.cos.ucf.edu/biology
E-mail: biology@ucf.edu

Minor Admission Requirements
- The minor is not open to Biology or Biology Preprofessional majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Biology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (31 hrs)
- BSC 2010C Biology I 4 hrs
- BSC 2011C Biology II 4 hrs
- CHM 2045C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- EGN 4941 Internship 1 hr
- MCB 302C General Microbiology or 5 hrs
- PCB 3063 Genetics 3 hrs
- PCB 4683 Evolutionary Biology 4 hrs

NOTE: These courses are considered as equivalent.
- Prior to enrolling in CHM 2045C, take Chemistry Placement Test. Instructions are at http://chemplacement.sdes.ucf.edu
- A one semester course for students with a strong chemistry background and a high Chemistry Placement score
- CHM 2045C Chemistry Fundamentals I 4 hrs
- or Students with little chemistry background should take this two semester equivalent instead.
- CHM 2040 Chemistry Fundamentals IA and 3 hrs
- CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives
- None
Biomedical Sciences - Minor
College of Medicine
Burnett School of Biomedical Sciences
Department of Molecular and Microbiology, Health and Public Affairs II, Room: 335
http://www.biomed.ucf.edu
E-mail: bcbinfo@mail.ucf.edu
Dr. P.E. Kolattukudy, Chair
Phone: 407-823-5932

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (23 hrs)
- BSC 2010C Biology I 4 hrs
- MCB 3020C General Microbiology 5 hrs
- PCB 3233L Immunology Laboratory 1 hr
- PCB 3522 Molecular Biology I 3 hrs
- PCB 4524 Molecular Biology II 3 hrs
- BSC 3403C Quantitative Biological Methods 4 hrs

Select 1: 3 hrs
- PCB 3233 Immunology or
- PCB 4239 Molecular Immunology 3 hrs

Restricted Electives (7 hrs)
■ At least two courses from the Restricted Elective category of the baccalaureate curriculum.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 31

Other Requirements
■ 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 toward the minor.

Chemistry - Minor
College of Sciences
Department of Chemistry, Chemistry, Room: 117
http://www.cos.ucf.edu/chemistry
E-mail: chemistry@ucf.edu
Dr. Pedro Patino, ppatino@mail.ucf.edu

Minor Admission Requirements
■ The minor is not open to Chemistry majors.

Minor Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) in lower level courses are not accepted.
■ At least 11 hours used in the minor must be earned at UCF within the department, with a minimum GPA of 2.0.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (20 hrs)
- CHM 2040C Chemistry Fundamentals I 4 hrs
- CHM 2046 Chemistry Fundamentals II 3 hrs
- CHM 2046L Chemistry Fundamentals Laboratory 1 hr
- CHM 2210 Organic Chemistry I 3 hrs
- CHM 2211 Organic Chemistry II 3 hrs
- CHM 2211L Organic Laboratory Techniques I 2 hrs
- CHM 3120L Analytical Chemistry Laboratory 1 hr

NOTE: These courses are considered to be equivalents:
- A one semester course for students with high Chem Placement scores:
  - CHM 2045C Chemistry Fundamentals I 4 hrs
- or - Students with little chemistry background should take 2 this semester equivalent instead.
  - CHM 2040 Chemistry Fundamentals IA and 3 hrs
  - CHM 2041 Chemistry Fundamentals IB 3 hrs

Restricted Electives (8 hrs)
■ At least one course must be selected from group I and the remaining from group I and/or II

Group I: Select at least one course
- BCH 4103L Biochemical Methods 2 hrs
- CHS 3530C Forensic Analysis of Controlled Substances 4 hrs
- CHM 3411L Physical Chemistry Laboratory 2 hrs
- CHM 3212L Organic Laboratory Techniques II 2 hrs
- CHM 4130 Advanced Analytical Laboratory Technique 3 hrs
- CHM 5451C Techniques in Polymer Science 3 hrs

Business - Minor
College of Business Administration
Undergraduate Student Services BA2, 101, 407-823-2184

Not available to Business majors.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (18 hrs)
- BUL 3130 Legal and Ethical Environment of Business 4 hrs
- PIN 2100 Personal Finance and Investments 3 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAR 3023 Marketing 4 hrs
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Restricted Electives
■ None

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least twelve hours used in the minor must be earned at UCF within the College of Business.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
Combining 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 sciences, 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
- No Prerequisite Courses

**Required Courses**
- (15 hrs)
  - Foundation Courses
  - Select from at least 4 subject areas.

**Neuroscience**
- PSB 3002 Physiological Psychology or 3 hrs
- PSB 4240C Neuropsychology or 4 hrs
- PSB 4422 Brainwaves and Behavior or 3 hrs
- ZOO 3744 Neurobiology 3 hrs

**Philosophy**
- PHI 3320 Philosophy of Mind or 3 hrs
- PHI 3323 Minds and Machines: Philosophy of 3 hrs
- PHI 3451 Philosophy of Psychology or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4400 Philosophy of Science or 3 hrs
- PHI 4935 Topics in Philosophy of Mind 3 hrs

**Psychology**
- EXP 3204C Perception or 4 hrs
- EXP 3604C Cognitive Psychology or 4 hrs
- EXP 4507C Advanced Human Memory and Cognition 3 hrs

**Computer Science and Information Technology**
- CAP 4453 Robot Vision or 3 hrs
- CAP 4630 Artificial Intelligence or 3 hrs
- EEL 3531 Information Theory or 3 hrs
- EEL 3552C Analog and Digital Communication 4 hrs

**Language and Linguistics**
- ANT 3610 Language and Culture or 3 hrs
- LIN 3010 Principles of Linguistics or 3 hrs
- LIN 3716 Language Development or 3 hrs
- LIN 3717 Language Development: 9 - 18 Years or 3 hrs
- PHI 4221 Philosophy of Language or 3 hrs
- PSY 3703 Psychology of Language 3 hrs

**Restricted Electives**
- (6 hrs)
  - Select 2:
    - 6 hrs
    - ANT 3541 Biobehavioral Anthropology or 3 hrs
    - ANT 3550 Primatology or 3 hrs
    - ANT 3610 Language and Culture or 3 hrs
    - ANT 4586 Human Origins or 3 hrs
    - CAP 4630 Artificial Intelligence or 3 hrs
    - CAP 5015 Multimedia Compression on the Internet or 3 hrs
    - CAP 5415 Computer Vision or 3 hrs
    - CAP 5512 Evolutionary Computation or 3 hrs
    - COP 4520 Concepts of Parallel and Distributed Processing or 3 hrs
    - EXP 3204C Perception or 4 hrs
    - LIN 4711 Language Analysis or 3 hrs
    - LIN 4711L Language Analysis Lab or 1 hr
MAP 4103  Mathematical Modeling I or  3 hrs
PHI 2101  Formal Logic I or  3 hrs
PHI 2108  Critical Thinking or  3 hrs
PHI 3626  Advanced Ethics in Science and Technology or  3 hrs
PHI 4321  Philosophies of Embodiment: Mind/Body/Self or  3 hrs
PSY 3213C  Research Methods in Psychology or  5 hrs
PHI 4500  Metaphysics or  3 hrs
PSY 4025  The Psychology of Art  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- No more than 12 credit hours may be used toward credit for a major and the cognitive sciences minor.
- No credit by exam (TSD, Military credit) may be used.
- At least 15 hours used in the minor must be earned at UCF.
- No more than 12 credit hours may be used both toward credit for a major and the 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 toward the minor.
- Internship, Co-op, or Independent Study requires 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
TBA

Licensed Speech-Language Pathology and Audiology Assistant: This state license may be obtained by completing the minor.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Required Courses (24 hrs)
SPA 3471  Communication Disorders in Literature and Media  3 hrs
SPA 3112  Basic Phonetics  3 hrs
SPA 3112L  Basic Phonetics Lab  1 hr
LIN 3716  Language Development  3 hrs
LIN 3716L  Language Development Lab  2 hrs
SPA 3101  Physiological Bases of Speech and Hearing  3 hrs
SPA 4032  Audiology  3 hrs
SPA 4400  Language Disorders Across the Life Span  3 hrs
SPA 4476  Speech Disorders Across the Lifespan  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 24

Other Requirements
- A minimum grade of “C-” (1.75) is required in all courses used to satisfy the minor.
- Students must earn an overall minimum of 2.0 GPA in the courses used to complete the minor.
- At least 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.

Community Arts - PAVE - Minor
College of Arts and Humanities
School of Visual Arts and Design, Visual Arts Building, Room: 117
http://www.svad.cah.ucf.edu/
TBD

Minor Admission Requirements
- None

Minor Requirements
Partners in Art in Visual Education (PAVE)
- A minor in Community Arts-PAVE is offered for the student who is majoring in Art, Music, Theatre, or English (with a Creative Writing focus).
- Students interested in the minor should contact the department chair.

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the School of Visual Arts and Design.
- No credit by exam (TSD, Military credit) may be used toward the minor.

Computer Science - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu
Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
- Not open to Computer Engineering, Computer Science or Information Technology majors.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 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
CDA 3103  Computer Logic and Organization  3 hrs

Select 1:
COT 3100C  Introduction to Discrete Structures or  3 hrs
MAD 2104  Foundations of Discrete Math  3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 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.
Minors

- At least 9 hours used in the minor must be earned within Computer Science at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship, cooperative education, or Independent Study credit cannot be used toward the minor.

Crime, Law, and Deviance - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Crime, Law, and Deviance minor examines matters of sociological interest related to the study and understanding of deviant, delinquent, and criminal behavior, the relationship between law and society, and victimology. The minor facilitates an understanding of crime and deviance from a sociological perspective and prepares students for careers and graduate school in related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- SYP 3510  Sociology of Deviant Behavior  3 hrs
- SYP 3511  Sociology of Murder  3 hrs
- SYP 3530  Juvenile Delinquency  3 hrs
- SYP 3540  Sociology of Law  3 hrs
- SYP 3562  Patterns of Domestic Violence in Society  3 hrs
- SYP 4514  Patterns of Violence in Society  3 hrs
- SYP 4521  Crime Victims in Society  3 hrs
- SYP 4530  Juvenile Justice  3 hrs
- SYP 4536  Gangs and Society  3 hrs

Restricted Electives (12 hrs)
- Select four courses from the following:
  - SYP 3510  Sociology of Deviant Behavior  3 hrs
  - SYP 3511  Sociology of Murder  3 hrs
  - SYP 3530  Juvenile Delinquency  3 hrs
  - SYP 3540  Sociology of Law  3 hrs
  - SYP 3562  Patterns of Domestic Violence in Society  3 hrs
  - SYP 4514  Patterns of Violence in Society  3 hrs
  - SYP 4521  Crime Victims in Society  3 hrs
  - SYP 4530  Juvenile Justice  3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

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

The Dance minor provides an introduction to and practical experience in dance with an emphasis on performance. The minor prepares students for careers or advanced study in all areas of the dance field and provides an understanding of the broader scope of dance and how it relates to society. 

Minor Admission Requirements
- A successful audition - contact department for audition dates.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CCJ 3024  Criminal Justice System  3 hrs
- CCJ 3014  Crime in America  3 hrs

Restricted Electives (12 hrs)
Select 2:
- CCJ 3510  Prosecution and Adjudication or 3 hrs
- CCJ 3010  Corrections and Penology or 3 hrs
- CJE 4014  Police and Society  3 hrs

Six semester hours of Criminal Justice courses (selected with aid of an advisor)

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op or independent study credit cannot be used toward the minor.

Criminal Justice - Minor
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Mary Ann Eastep, 407-823-2603

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
- CCJ 3024  Criminal Justice System  3 hrs
- CCJ 3014  Crime in America  3 hrs

Restricted Electives (12 hrs)
Select 2:
- CCJ 3510  Prosecution and Adjudication or 3 hrs
- CCJ 3010  Corrections and Penology or 3 hrs
- CJE 4014  Police and Society  3 hrs

Six semester hours of Criminal Justice courses (selected with aid of an advisor)

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.

UNIVERSITY OF CENTRAL FLORIDA
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.cah.ucf.edu
Phone: 407-823-6100

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (13 hrs)
COP 2500C Concepts in Computer Science 4 hrs
DIG 2000 Introduction to Digital Media 3 hrs
DIG 3138C Digital Imagery 3 hrs
DIG 3716C Internet Interaction 3 hrs

Restricted Electives (6 hrs)
■ Select two courses:
■ Or - any 3000 or 4000 level courses approved by the School of Visual Arts and Design.
DIG 2485 Visual Language of the Moving Image 3 hrs
DIG 2821 Creative Digital Media Problem Solving 3 hrs
DIG 3286C Assembling Digital Media 3 hrs
DIG 3480C Computer as a Medium 3 hrs
DIG 3525 Digital Media Production I 3 hrs
DIG 3563 Information Management and Entrepreneurship 3 hrs
DIG 4324C Digital Media Production II 3 hrs
DIG 4455 Interactive Performance II 3 hrs
DIG 4503 Rapid Application Web Development 3 hrs
DIG 4530C Media for e-Commerce 3 hrs
DIG 4630C Media Business Practices 3 hrs
DIG 4713 Game Design 3 hrs
DIG 4715C Game Production 3 hrs
DIG 4780C Modeling for Realtime Systems 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required ■ 19

Other Requirements
■ A minimum grade of “C” (2.0) or better is required in each course used to satisfy the minor, except in DIG 2000 where a “B” (3.0) or better is required.

■ 12 hours used in the minor must be taken at UCF.

■ No credit by exam (TSD, Military credit) may be used.

■ Internship, cooperative education, or Independent Study credit can be used in the minor only with prior written permission.

Diversity and Social Inequality - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Diversity and Social Inequality Minor examines the sociological study of class, status, and power in contemporary global society. The minor facilitates the understanding of social inequalities related to age, gender, race and ethnicity, social class and stratification, sexual orientation, religion, and family. The minor prepares students for careers and graduate school in a variety of fields.

Minor Admission Requirements
■ The minor is not open to Sociology majors.

■ Courses used to satisfy the Restricted Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
■ Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.

■ Grades below “C” (2.0) in lower level courses are not accepted.

■ At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
■ Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
SYO 3530 Social Power and Inequality 3 hrs
SYG 2000 Introduction to Sociology 3 hrs
SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
■ Select four courses from the following:
■ Or SYO 3410 Urban Society 3 hrs
■ SYD 3700 Race and Ethnicity 3 hrs
■ SYD 3800 Sex and Gender in Society 3 hrs
■ SYD 4810 Women in Contemporary Society 3 hrs
■ SYO 4100 Family Trends 3 hrs
■ SYO 4200 Religion in Society 3 hrs
■ SYP 4454 Global Inequality and Society 3 hrs
■ SYP 4732 Minority Aging 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required ■ 18

Other Requirements
■ No credit by exam (TSD, Military credit) may be used.

■ Internship, Co-op or Independent Study credit cannot be used toward the minor.

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.

Minor Requirements
■ A minimum GPA of 2.75 in all Early Childhood Development and Education courses.

Minors
Minors

- At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Economics - Minor

College of Business Administration
Department of Economics, Business Administration II, Room: 305
http://www.bus.ucf.edu/economics

Michael Caputo, BA2 302Q, mcaputo@bus.ucf.edu
David Scrogin, BA2 302Q, 407-823-4129
Nora Underwood, BA2 302Q, 407-823-1403
Phone: 407-823-3266

For both Business Majors and non-Business Majors.

The Economic Policy minor is intended to provide a broad introduction to economic policy issues related to national and international institutions and events. This minor is well-suited for students in Interdisciplinary Studies, International and Global Studies, Journalism, Legal Studies, Political Science, Public Administration, Social Sciences, and Sociology.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- ECO 2013 Principles of Macroeconomics 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Select 1:
- ECO 3101 Intermediate Microeconomics or
- ECO 3203 Intermediate Macroeconomics 3 hrs

Restricted Electives
- 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” 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.
Minors

Education - Minor
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 220B
http://education.ucf.edu/
Dr. W. Scott Wise, ED 220B, wwise@mail.ucf.edu
Phone: 407-823-1502

The Education minor is intended to provide for university students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the high school setting, but does not directly qualify students for teacher certification or admission into the College of Education. This minor is available for students in the 2007 catalog year and beyond.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDF 4410 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 Students in Schools 3 hrs
- TSL 4080 Theory and Practice of Teaching ESOL 3 hrs

Restricted Electives (3 hrs)
- Select one
  - MAE 4634 Programs in Teaching of Mathematics 3 hrs
  - SSE 4936 Programs in Teaching Social Science 3 hrs
  - LAE 4342 Programs in Teaching Language and Composition 3 hrs
  - LAE 4464 Survey of Adolescent Literature 3 hrs
  - SCS 4381 Programs in Teaching Science 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- At least 12 hours used in the minor must be earned at UCF.
- 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 expectations of risk reduction and public leadership, this is an exciting area of study. Students who complete a minor in emergency management and homeland security gain additional insight and knowledge that will help them find positions in various federal, state and local government or nonprofit organizations. Some of these may include the Health and Human Services Agency (HHS), the Environmental Protection Agency (EPA), the Occupational Health and Safety Administration (OSHA), the Federal Emergency Management Agency (FEMA), the Department of Homeland Security (DHS), American Red Cross, and state and local homeland security agencies.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- PAD 4110 Intergovernmental Administration 3 hrs
- PAD 4392 Emergency Management and Homeland Security 3 hrs
- PAD 4712 Information Systems for Public Managers and Planners 3 hrs
- PAD 4395 Disaster Response and Recovery 3 hrs
- PAD 4390 Hazard Mitigation and Preparedness 3 hrs

Restricted Electives (3 hrs)
- Select 1:
  - DSC 4012 Terrorism or Teaching Terrorism 3 hrs
  - DSC 4013 Homeland Security and Criminal Justice 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- Grades below “C” (2.0) or “S” grades are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department.
- Internship or Independent Study cannot be used toward the minor.
- Students must earn a “C” (2.0) or better in each course in the minor.

Energy and Sustainability - Minor
College of Engineering and Computer Science
Engineering Building, Room: 107
CECS Academic Affairs
http://www.cecs.ucf.edu
Paul Edlen, paul.edlen@ucf.edu, 407-823-2455

Participants in this minor will acquire knowledge in technical, economic and policy issues related to sustainable energy generation, conservation, management and utilization. Those completing the minor will be able to improve their understanding, awareness and job skills to have additional opportunities and advantages to pursue a career in the emerging energy sector.

Minor Admission Requirements
- A minimum GPA of 2.25 is required for acceptance into this minor degree program.

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- IDS 3150 Foundations of Environmental Studies 3 hrs
- EGN 4824 Energy and Society 3 hrs
- IDS 4204C Advanced Topics on Energy and Sustainability 3 hrs

Select 1:
- GEB 4152 Technological Entrepreneurship 3 hrs
- IDS 4949 Cooperative Education 0 hrs

1 Proposals must be approved by the Energy and Sustainability minor program coordinator in cooperation with faculty from the Office of Experiential Learning.
Minors

 Restricted Electives (6 hrs)

 ■ Select any two elective courses from the following courses:

 Energy Systems Design
 EEL 4216 Fundamentals of Electric Power Systems 3 hrs
 or EML 4411 Mechanical Power Systems or 3 hrs
 or EML 4454 Turbines for Sustainable Power or 3 hrs
 EML 4600 HVAC Systems Engineering or 3 hrs
 EML 4602 Applied HVAC Engineering 3 hrs

 Water, Environment and Waste Management
 ENV 3001 Introduction to Environmental Engineering 3 hrs
 or ENV 4120 Air Pollution Control or 3 hrs
 ENV 4341 Solid & Hazardous Waste Management or 3 hrs
 ENV 4561 Environmental Engineering Operations & Processes II 3 hrs

 Business and Public Policy
 ECP 3302 Economics and the Environment or 3 hrs
 ECP 4303 Environmental and Natural Resource Economics or 3 hrs
 REE 3614 Environmental Issues for Real Estate 3 hrs

 Social and Ethical Dimensions
 INR 4350 Global Environmental Politics or 3 hrs
 INR 4351 International Environmental Law or 3 hrs
 PAD 4351 Issues in Environmental Program Management or 3 hrs
 PHI 3640 Environmental Ethics or 3 hrs
 PLA 4554 Environmental Law or 3 hrs
 PUP 3203 Environmental Politics or 3 hrs
 PUP 4209 Urban Environmental Policy or 3 hrs
 SYD 4510 Environment and Society 3 hrs

 Foreign Language Requirements
 ■ None

 Total Semester Hours Required
 ■ 18

 Other Requirements
 ■ A minimum grade of “C” (2.0) or better in all courses in the minor.
 ■ A cumulative GPA of 2.5 is required to successfully complete the minor.

 The Engineering Leadership Minor provides a knowledge base in engineering leadership principles and practices as well as management techniques in a technical environment. This minor is designed to enhance the student’s marketability, preparation and career viability as they enter the engineering profession.

 Minor Admission Requirements
 ■ Acceptance to the program is from a pool of applicants each fall term for the two semester program. Admission requires an interview with the Director of this minor program, submission of the applicant’s resume with academic and outside activity information, and an essay prepared by the applicant explaining their interest in the program with self development issues they would like to explore in the program.
 ■ Only open to CECS undergraduate students
 ■ A minimum GPA of 3.0 is required for acceptance into this minor degree program

 Minor Requirements
 ■ None

 Prerequisite Courses
 ■ None

 Required Courses (18 hrs)

 EGN 4624 Engineering Administration 3 hrs
 EIN 4191C Engineering Leadership Seminar I 2 hrs
 EIN 4192C Engineering Leadership Seminar II 2 hrs
 Two Engineering Design courses 6 hrs

 Restricted Electives
 ■ None

 Foreign Language Requirements
 ■ None

 Total Semester Hours Required
 ■ 18

 Other Requirements
 ■ Students must have a Grade of “C” (2.0) or better in all courses in the minor.
 ■ Any course substitution must be approved by IEMS Undergraduate Coordinator and/or Department Chair.

 English - Creative Writing - Minor
 College of Arts and Humanities
 Department of English, Colbourn Hall, Room: 405
 http://english.cah.ucf.edu/
 E-mail: english@mail.ucf.edu
 Dr. Patrick Murphy, 407-823-5596

 Minor Admission Requirements
 ■ None

 Minor Requirements
 ■ None

 Prerequisite Courses
 ■ None

 Required Courses (6 hrs)

 CRW 3013 Creative Writing for English Majors 3 hrs
 CRW 3053 Theory & Practice of Creative Writing 3 hrs

 Restricted Electives (6 hrs)

 Select one course after completing CRW 3013
 CRW 3120 Fiction Writing Workshop 3 hrs
 CRW 3211 Creative Nonfiction Writing 3 hrs
 CRW 3310 Poetry Writing Workshop 3 hrs
 CRW 3610 Writing Scripts 3 hrs

 Select one course
 CRW 4122 Advanced Fiction Writing Workshop 3 hrs
 CRW 4224 Advanced Nonfiction Workshop 3 hrs
 CRW 4320 Advanced Poetry Writing Workshop 3 hrs
 CRW 4616 Advanced Scriptwriting Workshop 3 hrs

 Please note that students will be allowed to take only one course in each of the above categories. Students wishing to take more workshop courses should consider a double major.

 Restricted Upper Division Electives--select three courses 9 hrs

 CRW 3311 Structure of Verse 3 hrs
 CRW 4114 History of Prose Style 3 hrs
 CRW 4724 The Florida Review 3 hrs
 CRW 4014 The Writing Life 3 hrs
 ENC 3310 Magazine Writing I 3 hrs
 CRW 4722 Editing for Creative Writers 3 hrs
 ENC 3311 Advanced Expository Writing 3 hrs
 CRW 3950 Cypress Dome Editorship 3 hrs
 CRW 6806C Teaching Creative Writing 3 hrs
 Any other CRW elective or Special Topics course 3 hrs

 Foreign Language Requirements
 ■ None

 Total Semester Hours Required
 ■ 21

 Other Requirements
 ■ A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
 ■ At least 15 hours used in the minor must be earned at UCF within the department.
 ■ No credit by exam (TSD, Military credit) may be used.
 ■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
English - Linguistics - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 405
http://english.cah.ucf.edu/
E-mail: english@mail.ucf.edu
Dr. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- LIN 3010 Principles of Linguistics 3 hrs
- LIN 4105 History of the English Language 3 hrs
- LIN 4680 Modern English Grammar 3 hrs

Restricted Electives (9 hrs)
- LIN 4643 Cross Cultural Communication 3 hrs
- LIN 4660 Linguistics and Literature 3 hrs
- LIN 4801 Language and Meaning 3 hrs
- LIN 5137 Linguistics 3 hrs
- ANT 3610 Language and Culture 3 hrs
- PHI 4400 Philosophy of Science 3 hrs
- PHI 4221 Philosophy of Language 3 hrs
- SPA 3112 Basic Phonetics 3 hrs
- Or any course approved by the Linguistics Committee 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 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. Patrick Murphy, 407-823-5596

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (3 hrs)
- ENG 3014 Theories and Techniques of Literature Study 3 hrs

 Restricted Electives
- English courses with AML, ENG, ENL, or LIT prefixes chosen by student and departmental advisor

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

English Language Arts Education - Minor
College of Education
School of Teaching, Learning, and Leadership, Education Building, Room: 209
http://education.ucf.edu/englished/
E-mail: english@ucf.edu
Dr. Jeff Kaplan, ED 122B, jkaplan@mail.ucf.edu
Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430.
Phone: 407-823-2041

The English Language Arts Education minor is intended for non-Language Arts Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

Minor Admission Requirements
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

Minor Requirements
- None

Prerequisite Courses
- None
Minors

**Required Courses** (18 hrs)
- A C- or better is required in these courses
- 
  - EDG 4410  Teaching Strategies and Classroom Management  3 hrs
  - EDF 4467  Learning Theory and Assessment  3 hrs
  - TSL 4080  Theory and Practice of Teaching ESOL Students in Schools  3 hrs
  - RED 4043  Content Reading in Kindergarten through Grade 12  3 hrs
  - LAE 4360  English Instructional Analysis  3 hrs
  - LAE 4342  Programs in Teaching Language and Composition  3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in English Language Arts as co-requisites
- Obtain a minimum 2.5 GPA in courses required for minor
- At least 12 hours in the minor must be earned at UCF

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**Entrepreneurship: Business - Minor**

**College of Business Administration**

Department of Management, Business Administration I, Room: 309


Dr. Cameron Ford, cford@bus.ucf.edu

Phone: 407-823-5569

The Entrepreneurship business minor offers students the opportunity to foster a strong business acumen that is essential to success in any career. The diverse classes available allow business undergraduates to explore the many career paths including self-employment/contracting, starting a company, working in small business, and leading corporate innovation and change initiatives.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (15 hrs)

**Required Introductory Courses** 10 hrs
- GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
- MAR 3023  Marketing  4 hrs

**Select 1:** 3 hrs
- GEB 3113  How to Start a Business
- MAN 3301  Management of Human Resources

**Required Entrepreneurship Courses** 9 hrs
- GEB 4110  Business Plan Preparation  3 hrs
- GEB 4111  New Venture Finance  3 hrs

**Select 1:** 3 hrs
- GEB 4152  Technological Entrepreneurship or
- MAN 4802  Entrepreneurship

**Restricted Electives**
- None

**Total Semester Hours Required**
- 19

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- A maximum of 6 hours of required elective coursework 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


All UCF Undergraduates have the opportunity to realize their professional goals through the Entrepreneurship Minor for Non-Business Majors. The 19-credit minor complements any degree program, providing students with business insights that are focused on career development more than ownership.

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (19 hrs)

**Required Introductory Courses** 10 hrs
- GEB 3031  Cornerstone: Professional Skills for Business  3 hrs
- MAR 3023  Marketing  4 hrs

**Select 1:** 3 hrs
- GEB 3113  How to Start a Business or
- MAN 3301  Management of Human Resources

**Required Entrepreneurship Courses** 9 hrs
- GEB 4110  Business Plan Preparation  3 hrs
- GEB 4111  New Venture Finance  3 hrs

**Select 1:** 3 hrs
- GEB 4152  Technological Entrepreneurship or
- MAN 4802  Entrepreneurship

**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

Minor Requirements
- None

Prerequisite Courses
- Note: It is the student’s responsibility to ensure that prerequisite courses have been completed before enrolling in any of these courses requiring a prerequisite.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3150  Foundations of Environmental Studies</td>
<td>3 hrs</td>
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</table>

Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOT 4713C  Plant Taxonomy</td>
<td>5 hrs</td>
</tr>
<tr>
<td>BSC 4312C  Marine Biology</td>
<td>4 hrs</td>
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<tr>
<td>OCE 3008  Oceanography</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3044  Principles of Ecology</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3442  Aquatic Ecology</td>
<td>3 hrs</td>
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<tr>
<td>PCB 4302C  Physiochemical Limnology</td>
<td>4 hrs</td>
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<tr>
<td>PCB 4303C  Biological Limnology</td>
<td>4 hrs</td>
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<tr>
<td>PCB 4683  Evolutionary Biology</td>
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<tr>
<td>CHM 3120  Analytical Chemistry</td>
<td>3 hrs</td>
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<tr>
<td>HSC 4500  Epidemiology</td>
<td>3 hrs</td>
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<tr>
<td>ENV 3001  Introduction to Environmental Engineering</td>
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<tr>
<td>ENV 4341  Solid &amp; Hazardous Waste Management</td>
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<tr>
<td>PCB 3083C  Genetics</td>
<td>3 hrs</td>
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<tr>
<td>PCB 3304C  River Ecology</td>
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<tr>
<td>PCB 3314  Marine Bio Diversity</td>
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<tr>
<td>PCB 3044L  Principles of Ecology Laboratory</td>
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Social & Humanities Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ECO 4701  Seminar in Global Economic Policy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>INR 4351  International Environmental Law</td>
<td>3 hrs</td>
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<tr>
<td>PUP 3203  Environmental Politics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4503  Government and Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 4351  Issues in Environmental Program Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PAD 3330  Urban and Regional Planning</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PUP 4204  Sustainability</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GEO 2370  Resources Geography</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 3043C  GIS for Environmental Studies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>GIS 4301C  Advanced GIS Applications in Environmental Studies</td>
<td>4 hrs</td>
</tr>
<tr>
<td>GIS 4055C  Remote Sensing of the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3033  Philosophy, Religion, and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400  Philosophy of Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3640  Environmental Ethics</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4633  Ethics and Biological Science</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PNM 4031  Environmental Philosophy</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PLA 4554  Environmental Law</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ECP 3302  Economics and the Environment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>1 ECP 4303  Environmental and Natural Resource Economics</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.
- 16 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

Minor Requirements
- A grade of “C” (2.0) or better is required for all courses counting towards the minor.
- A maximum of 6 hours of Study Abroad credit in equivalent courses can be used, with no more than 3 credits in one area.
- At least 18 hours used in the minor must be taken at UCF.
- At least 15 credits used in the minor must be upper division.
- No more than 6 credit hours (separate from the foreign language requirement) may be used toward the European Studies minor and also used toward any other major or minor.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 4101  Politics of the European Union</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3082  Continental European Fiction Since 1900</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

 Restricted Electives

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Any course substitutions are subject to prior approval by the director.</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>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</td>
<td></td>
</tr>
</tbody>
</table>

Undergraduate Catalog 2011-2012
Minors

Exceptional Education - Minor
College of Education
Department of Child, Family and Community Sciences, Education Building, Room: 209
http://www.education.ucf.edu
Dr. Lee Cross, Program Coordinator, lcross@mail.ucf.edu
Linda Alexander, lalexand@mail.ucf.edu, 407-823-2598
Phone: 407-823-5445

The Exceptional Education minor is intended to provide a limited, but substantive experience in the fields of education and exceptional children. The minor is not intended for students enrolled in the College of Education and does not lead to teacher certification 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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- EEX 4601 Introduction to Behavior Management 3 hrs
- EEX 4763 Technology for Classroom Teachers of Students with Special Needs 3 hrs
- EEX 2090 Exceptional Populations in School and Society 3 hrs
- EEX 4066 Curriculum, Theory and Instructional Strategies for Students with Special Needs 3 hrs

Restricted Electives (6 hrs)
- Choose either Elementary Restricted Electives or Secondary Restricted Electives as a focus

Elementary Restricted Electives
- EEX 4070 Teaching Exceptional Students 3 hrs

Secondary Restricted Electives
- EEX 2424 Teaching Exceptional Students in Secondary Settings 3 hrs

Select 1:
- EEX 3241 Methods for Academic Skills for Exceptional Students 3 hrs
- EEX 3221 Assessment of Exceptional Students 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.

GEW 4482 German Children’s Literature or 3 hrs
GEW 4531 The Age of Goethe and Schiller or 3 hrs
ITT 4956 Study Abroad: Modern and Contemporary Italian Culture or 3 hrs
ITW 3101 Survey of Italian Literature II or 3 hrs
JST 3751 Literature of the Holocaust or 3 hrs
LIT 4184 Irish Literature or 3 hrs
MUL 3604 German Song Literature or 1 hr
MUL 3605 French Song Literature or 1 hr
SPW 3101 Survey of Spanish Literature II or 3 hrs
SPW 3370 Spanish Short Story or 3 hrs
SPW 4272 20th Century Spanish Novel or 3 hrs
SPW 4322 Contemporary Iberian Theatre or 3 hrs
SPW 4450 Spanish Literary Theory or 3 hrs
SPW 4460 Nineteenth Century Spanish Literature or 3 hrs
SPW 4720 The Generation of 1898 or 3 hrs
History
Select at least 6 credits from this grouping: 6 hrs
- EUH 3235 Romanticism and Realism or 3 hrs
- EUH 3242 Modern Europe and the First World War or 3 hrs
- EUH 3281 Second World War and Rebirth of Europe or 3 hrs
- EUH 3315 History of Modern Spain or 3 hrs
- EUH 3411 Ancient Rome or 3 hrs
- EUH 3431 History of Modern Italy or 3 hrs
- EUH 3451 History of Modern France or 3 hrs
- EUH 4284 Fascism and Nazism in the Interwar Europe or 3 hrs
- EUH 4400 The History of Ancient Greece or 3 hrs
- EUH 4465 Hitler’s Third Reich or 3 hrs
- EUH 4501 English History: 1485-1815 or 3 hrs
- EUH 4502 British History: 1815-Present or 3 hrs
- EUH 4574 History of Russia: 1801-1917 or 3 hrs
- EUH 4576 History of Russia in the 20th Century or 3 hrs
- EUH 4578 History of Russia in the 20th Century or 3 hrs
- EUH 4582 20th Century Russian Diplomatic History or 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs
- GER 4510 Life and Culture in Nazi Germany or 3 hrs
- JST 3701 History of the Holocaust or 3 hrs
Political Science or Economics
Select at least 3 credits from this grouping: 3 hrs
- CPO 3104 Politics of Western Europe or 3 hrs
- CPO 3164 Politics of Eastern Europe or 3 hrs
- CPO 4074 Political Economy or 3 hrs
- CPO 4123 Government and Politics of Great Britain or 3 hrs
- CPO 4445 Comparative Political Parties or 3 hrs
- CPO 4843 Government and Politics of Russia or 3 hrs
- ECO 3703 International Microeconomics or 3 hrs
- INR 4655 International Political Economy or 3 hrs
Other
- may be taken from any of the above electives; Foreign Language Across the Curriculum (FLAC) courses linked to any of the above electives, or one of the following:
Select at least 3 credits of courses from this grouping: 3 hrs
- ARH 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 or 3 hrs
Foreign Language Requirements
- Two years (four semesters) or equivalent proficiency exam in French, German, Greek, Italian, Portuguese, or Spanish (other languages require approval of director).

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (military credit, TSD) may be used toward the minor.
Film - Cinema Studies - Minor

Minor Admission Requirements
- Completion of a Minor Declaration form

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIL 2030 History of Motion Pictures 3 hrs
- FIL 3006 Art of the Cinema 3 hrs
- FIL 2423 Foundations of Production 3 hrs

Select 1: 3 hrs
- FIL 1007 Foundations of Story 3 hrs
- FIL 1000 Cinema Survey 3 hrs

Restricted Electives (6 hrs)
- Choose Two
  - FIL 3800C Images of Women in Film 3 hrs
  - FIL 3051 Avant-Garde Cinema 3 hrs
  - FIL 3820 Italian Film 3 hrs
  - FIL 3845 World Cinema Traditions 3 hrs
  - FIL 3841 French New Wave Cinema 3 hrs
  - FIL 3824 Italian Neo-Realist Cinema 3 hrs
  - FIL 3822 French Film 3 hrs
  - FIL 3823 German Film 3 hrs
  - FIL 3831 Black Cinema 3 hrs
  - FIL 3826 American Cinema 3 hrs
  - FIL 3871 The American Film Artist 3 hrs
  - FIL 4647 Film Production Management 3 hrs
  - FIL 3847 Latin American Cinema 3 hrs
  - FIL 3363C Film Documentary 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 12 hours must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.

Finance - Minor

College of Business Administration

Minor Admission Requirements
- None

Minor 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 3403C Business Finance 4 hrs
- FIN 3303 Financial Markets 3 hrs

Restricted Electives (9 hrs)
Select 3:
- FIN 3414 Intermediate Corporate Finance or 3 hrs
- FIN 3461 Financial Statement Analysis or 3 hrs
- FIN 3504 Investment Analysis or 3 hrs
- FIN 4324 Commercial Bank Management or 3 hrs
- FIN 4453 Financial Models or 3 hrs
- FIN 4514 Portfolio Analysis and Management or 3 hrs
- FIN 4533 Financial Derivatives or 3 hrs
- FIN 4694 International Financial Management 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below "C" (2.0) or "S" grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- At least nine hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
- A maximum of 6 hours of the above listed required or elective courses can count toward another major or minor degree program.

Fitness Training - Minor

College of Education

Department of Child, Family and Community Sciences, Education Building, Room: 209

Dr. Jay Hoffman, Program Coordinator, ED 320H, jrhoffma@mail.ucf.edu
Phone: 352-536-2141

The Fitness Training minor is for the students interested in working in wellness centers as personal trainers. This minor provides the knowledge and experiences to be successful in this growing and exciting area. The goal is to provide guided practical 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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (13 hrs)
- PET 4312C Kinesiology/Biomechanics 3 hrs
- PET 4550C Assessment and Evaluation in Exercise Science 3 hrs
- PET 4083 Personal Training Methods 3 hrs
1 ZOO 3 hrs
- 3736C Exercise Physiology Anatomy 4 hrs

1 This course should be taken prior to PET 4312, PET 4550, and PET 4083. If the student has completed the Human Anatomy requirement at another school, it can be substituted with this course.

Restricted Electives (6 hrs)
Select 2:
- PET 3381 Nutrition and Metabolism in Sport and Exercise Science or 3 hrs
- PET 3771 Strength and Conditioning Concepts or 3 hrs
- PET 3768 Group Exercise Instruction or 3 hrs
- PET 4353C Exercise Physiology or 3 hrs
- PET 4215 Motivational Aspects of Athletic Performance 3 hrs

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Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No grades below “C-” (1.75) and no “S” grades will be accepted.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor.

Foreign Language Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Complex, Room: 220
http://education.ucf.edu/language
Dr. Karen Verkler, kverkler@mail.ucf.edu, 407-823-5235

The Foreign Language Education minor is intended for non-Foreign Language Education majors. It is well suited for College of Education students majoring in another secondary content area. It is also intended to provide for university students outside the College of Education (such as students enrolled in Interdisciplinary Studies, International and Global Studies, or programs in the Department of Modern Languages and Literatures) a limited but substantial experience in the field of professional education.

Students who successfully complete this minor can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This minor is designed to promote student success in instructional settings, particularly in the K-12 school setting, but does not directly qualify students for teacher certification or admission into the College of Education.

Completion of the minor does not complete the requirements for teacher certification nor does it constitute admission to the College of Education.

Minor Admission Requirements
- Minimum 2.5 overall GPA. Complete the University General Education Program requirements or the equivalent, i.e., an AA degree from an approved Florida community college or state university.

Minor Requirements
- Students should see an advisor prior to registering for classes.
- Students must complete 15 hrs of language courses as co-requisites. A grade of “C” (2.0) or better is required in each course used to satisfy the minor. At least 12 hours used in the minor must be earned at UCF.

Prerequisite Courses
- None

Required Courses
- EDG 4410 - Teaching Strategies and Classroom Management - 3 hrs
- EDG 4467 - Learning Theory and Assessment - 3 hrs
- TSL 4080 - Theory and Practice of Teaching ESOL Students in Schools - 3 hrs
- RED 4043 - Content Reading in Kindergarten through Grade 12 - 3 hrs
- FLE 4333 - Foreign Language Teaching in the Secondary School - 3 hrs
- FLE 4314 - Foreign Language Teaching in Elementary Schools - 3 hrs

Restricted Electives
- None

Total Semester Hours Required
- 18

Other Requirements
- None

French - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures,
Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- EDG 4410 - Teaching Strategies and Classroom Management - 3 hrs
- EDG 4467 - Learning Theory and Assessment - 3 hrs
- TSL 4080 - Theory and Practice of Teaching ESOL Students in Schools - 3 hrs
- RED 4043 - Content Reading in Kindergarten through Grade 12 - 3 hrs
- FLE 4333 - Foreign Language Teaching in the Secondary School - 3 hrs
- FLE 4314 - Foreign Language Teaching in Elementary Schools - 3 hrs

Restricted Electives
- Select six upper division courses in French, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- EDG 4410 - Teaching Strategies and Classroom Management - 3 hrs
- EDG 4467 - Learning Theory and Assessment - 3 hrs
- TSL 4080 - Theory and Practice of Teaching ESOL Students in Schools - 3 hrs
- RED 4043 - Content Reading in Kindergarten through Grade 12 - 3 hrs
- FLE 4333 - Foreign Language Teaching in the Secondary School - 3 hrs
- FLE 4314 - Foreign Language Teaching in Elementary Schools - 3 hrs

Restricted Electives
- Select six upper division courses in German, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit 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  
- None  
- None  

**Prerequisite Courses**  
- None  

**Required Courses**  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIM 3006</td>
<td>Foundations of Health Information</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 458C</td>
<td>Management (HIM)</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HIM 4656C</td>
<td>Quality Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3537</td>
<td>Health Information Management Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 2002</td>
<td>Medical Terminology</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Coding Procedures I</td>
<td>5 hrs</td>
</tr>
<tr>
<td>HSC 4206C</td>
<td>Coding Procedures II</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**  
- None  
- None  

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 20

**Other Requirements**  
- A minimum overall GPA of 2.5 is required. A minimum grade of “C” (2.0) is required in each course for the minor.  
- At least 15 hours used in the minor must be earned at UCF within the department.  
- No credit by examination (TSD, Military credit) may be used.  
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

### Health Sciences - Minor

**College of Health and Public Affairs**  
Department of Health Professions, Health and Public Affairs II, Room: 212  
L. Timothy Worrell, 407-823-2214

**Minor Admission Requirements**  
- None  
- None  
- None  

**Prerequisite Courses**  
- None  

**Required Courses**  
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 3111</td>
<td>U.S. Health Care Systems</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 3110</td>
<td>Medical Self Assessment</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUN 2002</td>
<td>Modern Concepts in Nutrition</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4201</td>
<td>Community Health</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4180</td>
<td>Organization &amp; Management for Health Agencies</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSA 4191</td>
<td>Health Care Automation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**  
- None  
- Additional prerequisite courses may be required  
- Select 1: 3 hrs  

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A minimum overall GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all Health Professions courses.  
- At least 15 hours used in the minor must be earned at UCF within the department of Health Management and Informatics.  
- No credit by exam (TSD, Military credit) may be used.  
- Internship or Independent Study credit cannot be used toward the minor without departmental approval.

### 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. Reid Oetjen, 407-823-5668

**Minor Admission Requirements**  
- None  
- None  
- None  

**Prerequisite Courses**  
- None  

**Required Courses**  
<table>
<thead>
<tr>
<th>Course Code</th>
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<tr>
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</tr>
<tr>
<td>HSC 4500</td>
<td>Epidemiology</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Restricted Electives**  
- None  
- 3 hrs  

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A minimum GPA of 2.5 is required in all coursework, and a minimum grade of “C” (2.0) is required in all courses for the minor.  
- At least 15 hours used in the minor must be earned at UCF within the department.  
- No credit by exam (TSD, Military credit) may be used.  
- Internship or Independent Study credit cannot be used toward the minor.

### History - Minor

**College of Arts and Humanities**  
Department of History, Colbourn Hall, Room: 551  
http://www.history.cah.ucf.edu/  
E-mail: history@mail.ucf.edu  
Dr. Rosalind J. Belier, 407-823-2225

**Minor Admission Requirements**  
- None  
- None  
- None  

**Prerequisite Courses**  
- None  

**Required Courses**  
<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</tbody>
</table>

**Restricted Electives**  
- None  
- 3 hrs  

**Foreign Language Requirements**  
- None

**Total Semester Hours Required**  
- 18

**Other Requirements**  
- A minimum GPA of 2.5 is required. A minimum grade of “C” (1.75) or better is required in all courses used to satisfy the minor.  
- At least 12 hours used in the minor must be earned at UCF within the department.  
- No credit by exam (TSD, Military credit) may be used.  
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental approval.
Hospitality Management - Minor
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
http://www.hospitality.ucf.edu
E-mail: hospitality@mail.ucf.edu
Dr. Fevzi Okumus, Department Chair
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
(18 hrs)
- Take all of the following:
  - HFT 1000 Introduction to the Hospitality and Tourism Industry and Guest Services Management I 3 hrs
  - HFT 3540 3 hrs

Select 2:
(6 hrs)
- HFT 2401 Hospitality Industry Financial Accounting or HFT 3431 Hospitality Industry Managerial Accounting or 3 hrs
- HFT 2500 Hospitality and Tourism Marketing or 3 hrs
- HFT 2220 Hospitality Human Resources Management or 3 hrs
- HFT 3444 Hospitality Information Systems or 3 hrs
- HFT 3603 Legal Environment in the Hospitality and Tourism Industry or 3 hrs
- HFT 4464 Hospitality Industry Finance or 3 hrs
- HFT 4286 Hospitality Communications 3 hrs

Select 2:
(6 hrs)
- HFT 3700 Tourism Management or 3 hrs
- HFT 3263 Restaurant Management or 3 hrs
- HFT 3273 Principles of Resort Timesharing or 3 hrs
- HFT 4755 Theme Park and Attraction Management or 3 hrs
- HFT 2750 The Event Industry or 3 hrs
- FSS 2221C Techniques of Food Preparation or 4 hrs
- HFT 2254 Lodging Operations or 3 hrs
- HFT 4277 Yacht, Country, And City Club Management 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum overall GPA of 2.0 in all courses used to satisfy the minor.
- At least 12 credit hours used in the minor must be earned at UCF within the College.
- No credit by exam (TSD, Military credit) may be used in the minor.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Final Exam Week only.
- Internship or Independent Study credit cannot be used toward the minor.

Humanities - Minor
College of Arts and Humanities
Department of Philosophy, Psychology Building,
Room: 220
http://www.philosophy.cah.ucf.edu
E-mail: philosophy@mail.ucf.edu
TBA

A multicultural minor focusing on the art, literature, philosophy, and religion of various world cultures. This minor is intended to provide a limited, yet substantive, introduction to humanities themes related to knowledge, responsibility, and society. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, student will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
(21 hrs)
- Humanities Foundations 6 hrs
- Select 2: 6 hrs
  - HUM 3252 Contemporary Humanities or 3 hrs
  - HUM 3255 Modern Humanities or 3 hrs
  - HUM 3431 Ancient Humanities or 3 hrs
  - HUM 3435 Medieval Humanities 3 hrs
- Humanistic/Religious Traditions 12 hrs
- Select 2: 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 3552 Christian Thought or 3 hrs
  - REL 3553 Moses, Jesus and Muhammad or 3 hrs
  - JST 3401 Jewish People in Antiquity or 3 hrs
  - PHH 3701 Native American Philosophy 3 hrs
- Select 2: 6 hrs
  - HUM 4330 Performance Theory or 3 hrs
  - HUM 4554 Religous Quest and Human Dilemma or 3 hrs
  - PHM 3022 Sexuality, Gender & Philosophy or 3 hrs
  - PHI 3033 Philosophy, Religion, and the Environment or 3 hrs
  - PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  - PHI 3803 Philosophy and Creativity or 3 hrs
  - PHI 4321 Philosophies of Embodiment: Mind/Body/Self or 3 hrs
  - PHM 3123 Feminist Theories or 3 hrs
  - REL 3111 Religion and Philosophy Through Film or 3 hrs
  - REL 3115 Religion, Spirituality, and Popular Music 3 hrs

Restricted Electives
(3 hrs)
- Select one additional course from the above list or from the following:
  - HUM 3302 Comparitive Multicultural Studies 3 hrs
  - HUM 4301 The Classical Ideal 3 hrs
  - HUM 4303 The Spiritual Ideal 3 hrs
  - PHI 4804 Critical Theory 3 hrs
  - PHI 3800 Aesthetics 3 hrs
  - PHI 3700 Philosophy of Religion 3 hrs
  - CLT 3370 Classical Mythology 3 hrs
  - CLT 3378 Comparative Mythology 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
Intelligent Robotic Systems (IRS) - Interdisciplinary

- Minor

College of Engineering and Computer Science
Engineering, Room: 107
http://www.cecs.ucf.edu
Paul Edlen, paule@mail.ucf.edu, 407-823-2455

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None

Required Courses (9 hrs)
■ CGS 1060C  Introduction to Computer Science  3 hrs
■ COP 3502C  Computer Fundamentals for Business  3 hrs
■ COP 3223  Introduction to Programming with C  3 hrs

Select 1: 3 hrs
■ CGS 1060C  Introduction to Computer Science or CGS 2545C  Database Concepts  3 hrs
■ EML 3262  Kinematics of Mechanisms or EML 5311  System Control  3 hrs
■ CAP 4453  Robot Vision or CAP 4630  Artificial Intelligence  3 hrs

Restricted Electives (9 hrs)
■ CGS 1060C  Introduction to Computer Science or CGS 2545C  Database Concepts  3 hrs
■ EML 3262  Kinematics of Mechanisms or EML 5311  System Control  3 hrs
■ CAP 4453  Robot Vision or CAP 4630  Artificial Intelligence  3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all the courses used to satisfy the minor.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
■ A high-level programming language class (like the following or it’s equivalent) is required for the minor.
■ Students whose major requires senior design courses are encouraged to take the following courses and to undertake a project in intelligent robotic systems.
• EGN 3060C  Introduction to Robotics  3 hrs
• EEL 5173  Linear Systems Theory or EEL 5630  Digital Control Systems  3 hrs
• EEL 5620  Image Processing or EEL 5625  Pattern Recognition  3 hrs
• EML 5311  System Control or EML 5290  Introduction to MEMS and Micromachining  3 hrs
• EEL 5625  Applied Control Systems or EEL 5513  Digital Signal Processing Applications  3 hrs
Minors

Interdisciplinary Informatics Technology - Minor
College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346
http://www.eecs.ucf.edu/I2Tech/

Dr. Mark Llewellyn, markl@cs.ucf.edu
Phone: 407-823-3327

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (18 hrs)
- CGS 3175 Internet Applications 3 hrs
- Select 1: 3 hrs
  - CGS 1060C Introduction to Computer Science or CGS 2100C Computer Fundamentals for Business or COP 3502C Computer Science I 3 hrs

Healthcare Informatics Concentration
- HIM 3006 Foundations of Health Information Management (HIM) 3 hrs
- HSA 4191 Health Care Automation 3 hrs

Select 1: 3 hrs
- CGS 4144 Introduction to Informatics or CIS 3003 Fundamentals of Information Technology 3 hrs

Technical Elective
- 3 hrs
Students should consult with the program coordinator for a list of the approved technical electives.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Pre-requisites to the minor include basic computer skills.
- No credit by exam (TSD, Military credit) may be used.

International and Global Studies - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience

E-mail: politics@ucf.edu
Dr. Waltraud Morales
Phone: 407-823-2608

Students taking the International and Global Studies Minor will examine the interactions between nations and the political processes within nations using a variety of perspectives. International aspects focus on how countries interact with one another, and how the social and cultural systems within them affect these interactions. Global studies looks at intra-national factors, such as how a state’s internal characteristics impact that state’s political processes. Immigration, technological advancements and internationalization of foreign policy make global studies a complementary approach to international studies.

Minor Admission Requirements
- Double major/minor degree policy in Political Science programs and minors:
  - 1. Students who major in any Political Science track, and minor in International and Global Studies, shall not count more than one course toward both programs.

2. Students who double minor in Political Science and International and Global Studies shall not count more than one course toward both programs.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least nine hours used in the minor must be earned at UCF within the department.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- IDS 4315 Global Perspectives 3 hrs
- GEO 3471 World Political Geography 3 hrs

Restricted Electives (15 hrs)

A. Restricted Political Science Electives: 6 hrs
Select courses from this grouping:
- INR 4011 Politics of Globalization 3 hrs
- INR 4030 Diplomacy 3 hrs
- INR 4035 International Political Economy 3 hrs
- INR 4054 Global Politics of Energy 3 hrs
- INR 4074 Immigration Policy 3 hrs
- INR 4075 Human Rights Policy 3 hrs
- INR 4076 Global Drug Policy 3 hrs
- INR 4350 Global Environmental Politics 3 hrs
- INR 4502 International Organizations 3 hrs
- INR 4603 International Relations Theory 3 hrs
- INR 4714 Politics of International Trade Policy 3 hrs

B. Restricted Area Studies Electives: 6 hrs
- Two upper division courses from one of the following area studies programs: Asian Studies, European Studies, Latin American, Caribbean and Latino Studies, Middle Eastern Studies
- Courses may not have a prefix of INR, CPO, POT, POS or PUP.

C. Restricted Electives: 3 hrs
- Substitutions require prior approval by the program advisor.

Select one course from this grouping:
- CPO 3103 Comparative Politics 3 hrs
- CPO 4062 Comparative Judicial Process 3 hrs
- CPO 4074 Political Economy 3 hrs
- CPO 4754 Comparative Political Institutions 3 hrs
- CPO 4710 Women in Comparative Politics 3 hrs
- CPO 4784 Political and Economic Inequality in Comparative Perspective 3 hrs
- CPO 4445 Comparative Political Parties 3 hrs
- DSC 4012 Terrorism 3 hrs
- EUH 3651 War and Society 3 hrs
- MMC 4300 International Media 3 hrs
- SYP 4454 Global Inequality and Society 3 hrs
- THE 3312 Theatre History and Dramatic Literature II 3 hrs
- Three one credit Foreign Language across the Curriculum (FLAC) courses 3 hrs

Foreign Language Requirements
- Proficiency equivalent to four semesters of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign languages may be used to meet the requirement.

Total Semester Hours Required
- 21

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
International Business - Minor
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu
Richard Ajayi, 407-823-5908

Minor for Business Majors

Minor Admission Requirements
■ None
Minor Requirements
■ None
Prerequisite Courses
■ None

Required Courses
(12 hrs)
FIN 4604 International Financial Management 3 hrs

Select 1:
ECO 3703 International Microeconomics or 3 hrs
ECO 4713 International Macroeconomics 3 hrs
MAR 4156 International Marketing 3 hrs
MAN 4600 International Management 3 hrs

Restricted Electives
(6 hrs)
ECO 3703 International Microeconomics 3 hrs
ECO 4713 International Macroeconomics 3 hrs
ECO 4701 Seminar in Global Economic Policy 3 hrs
ECS 4013 Development Economics 3 hrs
GEO 3471 World Political Geography 3 hrs
INR 4035 International Political Economy 3 hrs
INR 4224 Contemporary International Politics of Asia 3 hrs
INR 4243 International Politics of Latin America 3 hrs
INR 4401 International Law I 3 hrs
MAR 4724 Strategic Foundations in Global E-Business 3 hrs

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 18

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) or “S” from other institutions are not accepted.
■ Courses taken at community colleges do not substitute for upper division courses.
■ Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
■ At least nine hours used in the minor must be earned at UCF within the department.
■ No credit by exam (TSD, Military credit) may be used.
■ Internship, Independent Study, or Directed Research credit cannot be used toward the minor.
■ A maximum of six hours of the above listed required or elective courses can count toward another major or minor degree program.

International Engineering - Minor
College of Engineering and Computer Science Engineering, Room: 107
http://www.cecs.ucf.edu
Dr. Avelino Gonzalez, avelino.gonzalez@ucf.edu, 407-823-5027

The objective of this minor is to provide engineering, and computer science students with the opportunity to learn about and experience firsthand the global aspects of engineering, science and technology. This minor is designed for maximum flexibility in programming, given the many different countries, cultures, partner foreign institutions and individual student needs. Through this minor, CECS students gain academic and/or work experience at an approved foreign institution compatible with UCF CECS, while simultaneously becoming familiar with the social as well as professional and technical cultures of their host country. CECS students can spend one or two semesters abroad gaining valuable international experience in their chosen field. This is especially important in today’s global economy in which employers look for graduates with international experience in their major area.

Minor Admission Requirements
■ Admission by interview with the Program Director

Minor Requirements
■ Minimum UCF Overall GPA of 2.5.

Prerequisite Courses
■ Pre-requisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Required Courses
(18 hrs)
■ The International minor in Engineering or Computer Science is composed of three parts:
  Language Skill Acquisition 6 hrs
  It is important that students possess a working level of language skills in the language of the prospective country to be visited in the study abroad experience of item 3 below. Therefore, students must demonstrate proficiency in the language of their chosen country through at least the first year of college study. This can be achieved by completing six to eight hours of language coursework at UCF if such coursework is available, at the foreign institution where they will be going, or by passing an exam prior to the study abroad experience. Language coursework must relate to the country/region in which the student will be studying and must be approved beforehand by program coordinator. This requirement can be waived by the minor coordinator for study abroad in countries where English is widely spoken.
  If the student demonstrates proficiency through exam or if the language requirement is waived, he/she will instead take six hours of alternative international coursework at UCF in lieu of the foreign language credits. This alternative international coursework will consist of the following two courses (or an equivalent(s) approved by the program coordinator):
  IDS 3333 World Comparative Studies 3 hrs
  GEO 3471 World Political Geography 3 hrs
  Cultural Coursework 3 hrs
  It is important to formally expose the students to the culture of the country or region where they plan to have their study abroad experience.
  This can be done in one of two ways, in decreasing order of preference:
  Option 1) Students will complete three hours of coursework in society/culture international relations, or global economics related to the country/region where the student is having his/her study abroad experience. It is recommended that this course be completed at the foreign institution if available
  Option 2) If such a course cannot be found, then the minor coordinator will select a course to take in its place at UCF that will achieve similar results.

Study Abroad Experience 9 hrs
■ The study abroad experience represents the most important aspect of this minor. To satisfy this requirement, students complete 9 hours of technical coursework (classroom studies) in residence at a partner institution abroad. Minimally, 6 hours must meet requirements of the student’s major program.
■ Students must take coursework abroad of equivalent content and level to what they would take at UCF as part of their degree program. With the realization that courses are different in the various overseas institutions, the proposed overseas coursework must be explicitly approved by the student’s home department to ensure equivalency. Students must first consult with their home department to determine the core, required and/or elective courses they are eligible to take, and look for equivalencies of courses offered at the overseas institution during the time of their expected study abroad experience. They must then proceed to consult with the international minor coordinator before seeking departmental approval. Departmental approval must be obtained before enrolling in the overseas classes.

Restricted Electives
■ None

Foreign Language Requirements
■ See Language Skills Acquisition
Minors

Other Requirements
- A minimum cumulative GPA of 2.5 is required in the minor/certification.
- Prerequisites to the minor include completion of a minimum of 45 credit hours prior to the study abroad experience.

Interpersonal/Organizational Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Jim Katt, jkatt@mail.ucf.edu
Rebecca Morales, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Interpersonal - Organizational Communication, Journalism, or Radio-TV majors.

Minor Requirements
- None

Prerequisite Courses
- Students must satisfy course prerequisites before enrolling.

Required Courses (12 hrs)
- COM 3011C Communication and Human Relations 3 hrs
- COM 3120 Organizational Communication 3 hrs
- SPC 3301 Interpersonal Communication 3 hrs
- COM 3311 Communication Research Methods 3 hrs

Restricted Electives (9 hrs)
Select from the following courses:
- COM 3013 Communication and the Family 3 hrs
- COM 3110 Business and Professional Communication 3 hrs
- COM 3406 Role of Motivation in Communication 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- COM 4462 Conflict Management 3 hrs
- SPC 3513C Argumentation and Debate 3 hrs
- SPC 4331 Nonverbal Communication 3 hrs
- SPC 4426 Group Dynamics 3 hrs
- SPC 4540 Attitudes and Communication 3 hrs

Independent study or Special topics course if approved by the coordinator prior to enrolling in the class

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.

Italian - Minor
College of Arts and Humanities
Department of Modern Languages and Literatures, Colbourn Hall, Room: 523
http://mll.cah.ucf.edu
E-mail: forlang@mail.ucf.edu
Dr. Paul Giordano, 407-823-2472

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- None

Restricted Electives (18 hrs)
- Select 6 upper division courses in Italian, including the 3000-level advanced oral communication and composition courses.
- A native or near-native speaker must substitute an alternate upper division course for the advanced oral communication course.
- Approval of a departmental advisor is required prior to registration.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without school permission.

Journalism Studies - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Dr. Steve Collins, Area Coordinator, scollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu, 407-823-2681

The Journalism Studies minor is well suited for students who seek to better understand the role journalism plays in society as well as the forces that shape journalism. A key component of this minor is media literacy, which is the ability to thoughtfully analyze messages disseminated through the news media.

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below a “C” (2.0) are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.
- Approval of a departmental advisor is required prior to registration.

Prerequisite Courses
- Students must satisfy course’s prerequisites before enrolling in the class.

Required Courses
- JOU 3004 History of American Journalism 3 hrs

Restricted Electives (15 hrs)
- Select at least 5 courses from the following:
- JOU 3304 Journalism Readings 3 hrs
- JOU 3510 Magazine Publishing 3 hrs
- JOU 4700 Journalism Ethics 3 hrs
- MMC 2004 Mass Media 3 hrs
- MMC 3200 Mass Communication Law 3 hrs
- MMC 4300 International Media 3 hrs
- VIC 3001 Visual Communication 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used in the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without departmental permission.
The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women’s Studies, Religious Studies, and Middle Eastern Studies programs. Students who desire to minor in Judaic Studies should take the required Hebrew courses (8 hours) (or proficiency) and 18 hours in the Judaic Studies courses listed below. Interested students are encouraged to meet with the program director. For certificate requirements, refer to the section on Judaic Studies Certificate.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (8 hrs)
- HBR 1120 Elementary Modern Hebrew Language and Culture I 4 hrs
- HBR 1121 Elementary Modern Hebrew Language and Culture II 4 hrs

Restricted Electives (18 hrs)

Jewish History
- JST 3401 Jewish People in Antiquity 3 hrs
- JST 3402 Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3415 American Jewish History 3 hrs
- JST 3481 20th Century Jewish History and Thought 3 hrs
- JST 3550 Introduction of Modernism into Judaism 3 hrs
- JST 3701 History of the Holocaust 3 hrs

Bible
- JST 3100 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 3112 Identity and Genre 3 hrs
- JST 3751 Literature of the Holocaust 3 hrs

Jewish Civilization
- JST 3005 Tenets of Judaism 3 hrs
- JST 3121 Classic Texts of Judaism 3 hrs
- JST 3210 Kabbalah: Jewish Mysticism 3 hrs
- JST 3620 Contemporary Jewish Ethics and Morality 3 hrs

Culture
- JST 3450 Modern Jewish Experience 3 hrs
- JST 3810 The Jewish National Movement and Roots of Zionism 3 hrs
- JST 3820 Modern Israeli Culture 3 hrs

Language
- HBR 2200 Intermediate Modern Hebrew I 3 hrs
- HBR 3201 Intermediate Modern Hebrew II 3 hrs
- HBR 3250 Biblical Hebrew 3 hrs
- HBR 3410 Conversational Israeli Hebrew 3 hrs

Other courses, including special topics, with the approval of the Director
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 26
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- LDR 2001 Foundations of Leadership 2 hrs
- LDR 2002 Intermediate Foundations of Leadership 2 hrs

Restricted Requirements 15 hrs
- Choose one course from each of the five areas:
  Communication
  - 1 COM 3311 Communication and Human Relations 3 hrs
  - 2 COM 3120 Organizational Communication or 3 hrs
  - 3 COM 4461 Intercultural Communication or 3 hrs
  - 4 ENC 3250 Professional Writing or 3 hrs
  - 5 SPC 3445 Leadership Through Oral Communication 3 hrs

  Collaboration
  - 6 INP 3004C Industrial/Organizational Psychology or 3 hrs
  - 7 INP 4313 Organizational Psychology or 3 hrs
  - 8 MAN 4240 Organizations: Theory and Behavior or 3 hrs
  - 9 MAN 3025 Management of Organizations or 4 hrs
  - 10 SPC 4426 Group Dynamics 3 hrs

  Social Relations and Culture
  - 11 ANT 3541 Biobehavioral Anthropology or 3 hrs
  - 12 CLP 3143 Abnormal Psychology or 3 hrs
  - 13 COM 4461 Intercultural Communication or 3 hrs
  - 14 EXP 3304C Motivation or 3 hrs
  - 15 SOP 3004C Social Psychology or 3 hrs
  - 16 SOP 3723 Cross Cultural Psychology or 3 hrs
  - 17 SOP 3742 Psychology of Women or 3 hrs
  - 18 SOP 3784 Psychology of Diversity 3 hrs

  Politics
  - 19 PAD 3003 Public Administration in American Society or 3 hrs
  - 20 PAD 4104 Administrative Theory or 3 hrs
  - 21 PAD 4144 Non-Profit Organizations or 3 hrs
  - 22 PAF 4754 Interdisciplinary Leadership in Public Affairs or 3 hrs
  - 23 POS 3413 The American Presidency or 3 hrs
  - 24 POS 4206 Political Psychology or 3 hrs
  - 25 PUP 3325 Women and Political Behavior or 3 hrs
  - 26 SYO 4300 Political Sociology 3 hrs

  Ethics
  - 27 BUL 3130 Legal and Ethical Environment of Business or 4 hrs
  - 28 EDF 3601 Professional Ethics in Education or 3 hrs
  - 29 PAD 3040 Ethics and Values in Public Administration or 3 hrs
  - 30 PHI 2108 Critical Thinking or 3 hrs
  - 31 PHI 3638 Ethical Issues in the 21st Century or 3 hrs
  - 32 PHI 3640 Environmental Ethics 3 hrs

- 1 PR: LDR 2001
- 2 PR: or CR: COM 3311
- 3 PR: Grade or C or better required in ENG 1102; junior standing; 12 upper division hours in the student's major.
- 4 PR: COM 3120 and COM 3311 or CI
- 5 PR: PSY 212 or CI
- 6 PR: INP 3004
- 7 PR: Management major, MAN 3025
- 8 PR: required for minor
- 9 PR: PSY 2012
- 10 PR: POS 2041
- 11 PR: PAD 3003 or CI
- 12 PR: ENC 1101 or CI
- 13 PR: POS 2041 or CI
- 14 PR: POS 2041 or CI. Offered every two years.
- 15 PR: Junior standing or CI
- 16 PR: PHI 2100 or CI
- 17 PR: Junior standing

Internship, Co-op, or Independent Study credit cannot be used toward the minor without prior permission from the Program Director.

No credit by exam (TSD, Military credit) may be used.

At least 15 credit hours used in the minor must be earned at UCF.

A grade of “C” (2.0) or better is required in each course used to satisfy the minor.

Undergraduate Catalog 2011-2012
Marketing - Minor
College of Business Administration
Department of Marketing, Business Administration II, Room: 3075

Open to Business and Non-Business Students

Minor Admission Requirements
- Not available to Marketing Majors

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (4 hrs)
- MAR 3023 Marketing

Restricted Electives (12 hrs)
- Select four or five:
  - MAR 3323 Integrated Marketing Communication 3 hrs
  - MAR 3391 Professional Selling 3 hrs
  - MAR 3403 Sales Force Management 3 hrs
  - MAR 3503 Consumer Behavior 3 hrs
  - MAR 3613 Marketing Analysis and Research 3 hrs
  - MAR 3641 Marketing Intelligence 3 hrs
  - MAR 3721 Technology Applications in Marketing 3 hrs
  - MAR 4231 Retailing Management 3 hrs
  - MAR 4711 Sport Marketing 3 hrs
  - MAR 4712 Healthcare Marketing 3 hrs
  - MAR 4715 Entertainment Marketing 3 hrs
  - MAR 4801 Strategic Management 3 hrs
  - MAR 4804 Marketing Strategy 3 hrs
  - MAR 4841 Services Marketing 3 hrs
  - MAR 4934 Contemporary Marketing Topics in Florida 3 hrs
  - MAR 4935 International Marketing 3 hrs
  - MAR 4724 Strategic Foundations in Global E-Business 3 hrs

\[1\] Requires prerequisites in addition to MAR 3023
\[2\] or MAR 4724, not both
\[3\] or MAR 4156, not both

Restricted Non-Marketing Elective
- Three hours of coursework may be chosen outside of marketing from the list below. However, other courses outside Marketing will also be considered--approval by petition to the Department.
  - ADV 3006 Principles of Advertising 3 hrs
  - ART 3010 Language and Culture 3 hrs
  - COM 3011 Communication and Human Relations 3 hrs
  - COM 3311 Communication Research Methods 3 hrs
  - COM 3120 Organizational Communication 3 hrs
  - COM 3110 Business and Professional Communication 3 hrs
  - ENC 3211 Theory and Practice of Technical Writing 3 hrs
  - EXP 3404C Basic Learning Processes 3 hrs
  - HSA 3111 U.S. Health Care Systems 3 hrs
  - PHI 3803 Philosophy and Creativity 3 hrs
  - PPE 3003C Personality Theory and Research 3 hrs
  - PSY 3212 Research Methods in Psychology 3 hrs
  - RTV 3007 Development and Structure of Electronic Media and New Technology 3 hrs
  - SOC 3004C Social Psychology 3 hrs
  - SPC 3306 Interpersonal Communication 3 hrs
  - SPC 3431 Nonverbal Communication 3 hrs
  - SPC 4426 Group Dynamics 3 hrs
  - STA 4102 Computer Processing of Statistical Data 3 hrs
  - SYA 4500C Research Methods 4 hrs
  - MAN 4720 Strategic Management 4 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) or “S” grades from other institutions are not accepted.
- Courses taken at community colleges do not substitute for upper division courses.

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 grade of “C” (2.0) is required in each course 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 or Independent Study credit cannot be used toward the minor.

Magazine Journalism - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu

E-mail: Journalism@mail.ucf.edu
Dr. Steve Collins, Area Coordinator, scoollins@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.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.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 15 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (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 430C On-line Journalism I 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 19

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, co-op, or independent study credit cannot be used toward the minor without school permission.
Mass Communication - Minor
College of Sciences
Nicholson School of Communication, NSC, Room: 143
http://communication.cos.ucf.edu
Joan McCain, jmccain@mail.ucf.edu
Rebecca Morales, Academic Support, rmorales@mail.ucf.edu
Phone: 407-823-2681

Minor Admission Requirements
- Not open to Ad-PR, Journalism, or Radio-TV majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted in the minor.
- At least 12 hours used in the minor must be earned at UCF within the Nicholson School of Communication.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses
- None

Restricted Electives (12 hrs)
Select at least 6 courses from the following:

Required: Complete one of the following: 3 hrs
- SYA 4650C Community Action and Involvement 3 hrs
- SYO 4200 Religion in Society 3 hrs
- SYO 3000 Contemporary Society 3 hrs
- SYP 3400 Social Change 3 hrs
- SYP 3602 Patterns of Popular Music in Society 3 hrs
- SYP 3630 Popular Culture In Society 3 hrs
- SYP 3650 Sports and Society 3 hrs
- SYP 4004 Constructing Social Issues 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Mathematics - Minor
College of Sciences
Department of Mathematics, Math and Physics, Room: 207
http://math.ucf.edu
Dr. Joe Brennan, jpbrenna@mail.ucf.edu
Phone: 407-823-5700

Minor Admission Requirements
- The minor is not open to Mathematics or Math Education majors.

Minor Requirements
- A grade of “C” (2.0) or better is required in all courses used to satisfy the minor.
- At least 6 hours used in the minor must be earned at UCF within the department of Mathematics.
- A maximum of six hours of the listed required or elective courses can count toward another major or minor degree.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (15 hrs)

- 1 MAC 2311 Calculus with Analytic Geometry I 4 hrs
- 2 MAC 2312 Calculus with Analytic Geometry II 4 hrs
- MAC 2313 Calculus with Analytic Geometry III 4 hrs
- MAP 2302 Differential Equations 3 hrs

This minor provides students with an opportunity to learn about sociological research within the institutions of religion, sports, and leisure in order to develop a working knowledge of how public opinion and contemporary social movements shape collective behavior and mass culture. The minor is especially appropriate for students majoring in Interdisciplinary Studies, the social sciences, business, or for any student seeking an enhanced understanding of socio-cultural change within modern society.
Mathematics Education - Minor
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 209
http://education.ucf.edu/mathed/
Dr. Janet Andreason, ED 123Q, jandreas@mail.ucf.edu
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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (19 hrs)
- A C- or better is required in these courses
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs

Restricted Electives, Group A: 3 hrs
- Select one course from the list below:
  - ANT 5791 Anthropological Perspectives on Human Growth 3 hrs
  - ANT 3148 Life and Death in Ancient Egypt 3 hrs
  - ANT 4184 Mortuary Archaeology 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 3701 Applied Anthropology 3 hrs
  - ANT 3541 Biobehavioral Anthropology 3 hrs
  - ANT 4525C Human Osteology 4 hrs
  - ANT 4802 Ethnographic Field Methods 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 4184 Mortuary Archaeology 3 hrs
  - ANT 4521 Forensic Anthropology 3 hrs
  - ANT 3701 Applied Anthropology 3 hrs
  - ANT 3541 Biobehavioral 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.
Minors

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- No Credit by exam (TSD, Military credit) may be used to satisfy the minor.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Medical Sociology - Minor
College of Sciences
Department of Sociology, Howard Phillips Hall, Room: 403
http://sociology.ucf.edu
Dr. Jay Corzine, sociology@ucf.edu, 407-823-3744

The Medical Sociology minor examines the social determinants of health and illness, and their impact on the delivery of health care and access to medical resources. The minor also examines the role social forces play in the way society views, treats, understands, and responds to illness and disease. This minor facilitates an understanding of health and illness from a sociological perspective and prepares students for careers and graduate school in health related fields.

Minor Admission Requirements
- The minor is not open to Sociology majors.
- Courses used to satisfy the Required Electives of this minor cannot be used to satisfy other Sociology minors.

Minor Requirements
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- SYO 4400 Medical Sociology 3 hrs

Required: Complete one of the following:
- SYG 2000 Introduction to Sociology 3 hrs
- SYG 2010 Social Problems 3 hrs

Restricted Electives (12 hrs)
- Select four courses from the following:
  - SYD 4020 Birth, Death, and Population Trends 3 hrs
  - SYO 3410 Patterns of Mental Health in Society 3 hrs
  - SYP 3551 Patterns of Alcoholism in Society 3 hrs
  - SYP 4550 Patterns of Drug Abuse in Society 3 hrs
  - SYP 4730 Patterns of Aging in Society 3 hrs
  - May substitute a relevant health-related course from another department with permission from Sociology.

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op or Independent Study credit cannot be used toward the minor.

Medieval and Renaissance Studies - Minor
College of Arts and Humanities
Department of English, Colbourn Hall, Room: 417G
http://www.english.cah.ucf.edu/
Dr. Tison Pugh, 407-823-4454

An interdisciplinary minor that offers students a background of the history, literature, languages, art, music, and philosophy of the Middle Ages and Renaissance.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- Students are responsible for meeting any prerequisites for the courses in the minor.

Required Courses (6 hrs)
- Select two courses from the following:
  - HUM 3435 Medieval Humanities 3 hrs
  - EUH 3122 Medieval Society and Civilization 3 hrs
  - ENL 4311 Chaucer 3 hrs
  - ENL 4341 Milton and His Age 3 hrs
  - ENL 4333 Shakespeare Studies 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 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
  - 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
  - ITT 3443 Dante’s Inferno 3 hrs

  Department of Music
  - MUH 4322 Medieval and Renaissance Music 3 hrs

  Department of Philosophy
  - PHH 3200 Medieval Philosophy 3 hrs
  - HUM 3435 Medieval Humanities 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- 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
http://middleeasternstudies.cah.ucf.edu
Dr. Husain Kassim, 407-823-2803

The Middle Eastern Studies minor is designed to complement a student's major area of study. The minor requires a core of Middle Eastern Studies courses as well as a selection of directed electives.

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (9 hrs)
- CPO 3403  Politics of the Middle East 3 hrs
- HUM 3419  Islamic Thought and Culture 3 hrs
- ASH 3223  The Modern Middle East 3 hrs

Restricted Electives (12 hrs)
■ Additional courses may be used only with prior permission of the program director.
■ Although not required, students are strongly encouraged to complete at least one year of Arabic (ARA 1120C, 1121) and/or Hebrew (HBR 1120,1121)
- ARA 2200  Intermediate Arabic Language and Civilization I 3 hrs
- ASH 3222  Islam and Its Empires 3 hrs
- ASH 5227  The Arab-Israeli Conflict 3 hrs
- CPO 4710  Women in Comparative Politics 3 hrs
- HBR 2200  Intermediate Modern Hebrew I 3 hrs
- REL 3553  Moses, Jesus and Muhammad 3 hrs
- JST 3401  Jewish People in Antiquity 3 hrs
- JST 3402  Wanderings: The Jewish People in Dispersion 3 hrs
- JST 3820  Modern Israeli Culture 3 hrs
- PHH 3200  Medieval Philosophy 3 hrs
- REL 3520  World Religions 3 hrs

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.

Music - Minor
College of Arts and Humanities
Department of Music, Colbourn Hall, Room: 205A
http://www.music.cah.ucf.edu/
Kirk Gay, kgay@mail.ucf.edu, 407-823-5968

Minor Admission Requirements
■ None

Minor Requirements
■ None

Prerequisite Courses
■ None

Required Courses (10 hrs)
- MUT 1004  Fundamentals of Music I 3 hrs
- MUT 1121  Music Theory and Musicianship I 4 hrs

Select 1: (3 hrs)
- MUL 2010  Enjoyment of Music or 3 hrs
- MUL 2016  Evolution of Jazz or 3 hrs
- MUL 2720  Music of the World or 3 hrs
- MUH 2720  Survey of Rock Music or 3 hrs
- MUH 2019  American Popular Music, 1840s-present 3 hrs

Restricted Electives (9 hrs)
■ Restricted electives must be taken from the Department of Music at UCF and must include 3 hours minimum at the 3000 or 4000 level. Secondary lessons can be used for electives contingent on a successful audition and approval of the department chair.

Foreign Language Requirements
■ None

Total Semester Hours Required
■ 19

Other Requirements
■ A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
■ Grades below “C” (2.0) are not accepted.
■ At least 9 hours used in the minor must be earned at UCF within the department.
■ Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Non-Profit Management/American Humanities
National Certification Program - Minor
College of Health and Public Affairs
Department of Public Administration, Health and Public Affairs II, Room: 238
Stephanie Krick, skrick@mail.ucf.edu, 407-823-0661

The Nonprofit Management Minor at the University of Central Florida will provide interdisciplinary classroom experience and experiential learning opportunities for students planning a career as a nonprofit professional. If all of the following requirements are met (including “Other Requirements”), the student can earn both a minor and National Certification from the Nonprofit Leadership Alliance.

Minor Admission Requirements

- None

Minor Requirements

- Students must earn a “C” (2.0) or better in each course in the minor.

Prerequisite Courses

- None

Required Courses (9 hrs)

1. PAD 3930 Nonprofit Leadership Seminar 3 hrs
2. PAD 4948 Nonprofit Management Internship 3 hrs
3. PAD 4144 Non-Profit Organizations 3 hrs

- One credit hour repeated three semesters

Restricted Electives (9 hrs)

- Students can earn the remaining 9 credit hours by pursuing either the Generalist Emphasis or the Public Affairs Emphasis. The requirements for each are as follows:

Generalist Emphasis

- Choose at least one course from each of the following three groups

Select 1: 3 hrs

- Group I: Nonprofit Accounting & Financial Management and Planning & Evaluation
  1. ACG 2021 Principles of Financial Accounting or 3 hrs
  2. ACG 2071 Principles of Managerial Accounting or 3 hrs
  3. MAN 3025 Management of Organizations or 4 hrs
  4. PAD 4131 Public Sector Project Management or 3 hrs
  5. PAD 4204 Fiscal Management or 3 hrs
  6. SOW 3401 Social Work Research or 3 hrs

Select 2: 3 hrs

- Group II: Human Development and Human Resource Development and Volunteerism
  1. MAN 3301 Management of Human Resources or 3 hrs
  2. MAN 4101 Human Relations in Management or 3 hrs
  3. MAN 4320 Human Resources Recruitment and Selection or 3 hrs
  4. PAD 4414 Public Personnel Administration or 3 hrs
  5. PAD 4148 Volunteer Management or 3 hrs
  6. SOW 3203 Social Work & Community Resources or 3 hrs
  7. SOW 3104 Assessing I: Human Development or 3 hrs
  8. DEP 2004C Developmental Psychology or 3 hrs
  9. DEP 3464 Psychology of Aging or 3 hrs
  10. EDG 4941 Directed Field Experience 1 hr

Select 3: 3 hrs

- Group III: Communication & Marketing and Fund Raising Principles & Practices
  1. COM 3110 Business and Professional Communication or 3 hrs
  2. GEB 3031 Cornerstone: Professional Skills for Business or 3 hrs
  3. MAR 3023 Marketing or 4 hrs
  4. MAR 3641 Marketing Intelligence or 3 hrs
  5. MAR 4033 Marketing Management or 3 hrs
  6. PAD 4147 Resource Development in the Nonprofit Sector or 3 hrs

Public Affairs Emphasis

- Choose at least 3 courses from the following:
  1. PAD 4148 Volunteer Management 3 hrs
  2. PAD 4153 Planning and Improvement for Pub Org 3 hrs
  3. PAD 4131 Public Sector Project Management 3 hrs
  4. PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
  5. PAD 4204 Fiscal Management 3 hrs
  6. PAD 4223 Public Budgeting: Skills and Techniques 3 hrs
  7. PAD 4253 Community & Economic Development 3 hrs
  8. PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs

- One course has prerequisites or may be closed to students in the major.
- Please see catalog for details.

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- Enrollment in American Humanities Certification Program through AH program office.
- Membership in UCF American Humanities Student Association.
- Students must earn a “C” (2.0) or better in each course in the minor.

North American Indian Studies - Minor
College of Sciences
Department of Anthropology, Howard Phillips Hall, Room: 309
http://www.cos.ucf.edu/anthropology
E-mail: anthropology@ucf.edu
Dr. Rosalyn Howard
Phone: 407-823-2227

The North American Indian Studies minor will enhance a student’s understanding and appreciation of the history and culture of the North American Indians. The minor is especially appropriate for all UCF undergraduates.

Minor Admission Requirements

- Interview with the North American Indian Studies Director.
- The minor is not open to Anthropology majors.

Minor Requirements

- Consultation with the Director to develop a program of study and plan course selections.
- Final approval of the minor is contingent upon completion of a thesis paper under the guidance of a faculty research director.
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.

Prerequisite Courses

- Students must satisfy a course’s prerequisites before enrolling in the class.

Required Courses (3 hrs)

- ANT 2000 General Anthropology 3 hrs

Restricted Electives (15 hrs)

- Courses used in the minor must be taken in at least two departments. Select from the following list.

Required Courses

- ANT 3245 Native American Religions 3 hrs
- MAR 3475 Intercultural Management 3 hrs
- MAR 3313 Indians of North America High Plains 3 hrs
- MAR 3311 Indians of the Southeastern United States 3 hrs
- ANT 3518 Florida Archaeology 3 hrs
- ANT 4906 Directed Independent Study 1 hr
Performing Arts Administration - Minor
College of Arts and Humanities
Department of Music, Performing Arts Center,
Room: M204
http://www.music.ucf.edu
E-mail: kgay@mail.ucf.edu
Kirk Gay, kgay@mail.ucf.edu
Phone: 407-823-5968

Music & Theatre majors or other majors with experience/passion for the performing arts, admitted by an interview/portfolio review.

Minor Admission Requirements (6 hrs)
Take one of the following courses:
- MUL 2010 Enjoyment of Music 3 hrs
- MUL 2014 Introduction to Music History and Literature 3 hrs

Take one of the following courses:
- THE 2000 Theatre Survey 3 hrs
- THE 2020 Survey of Theatre for Majors 3 hrs

Minor Requirements (30 hrs)
- Minor requirement total may be either 30 or 31 hours (includes the admissions requirement courses) depending on the restricted elective selected from the Management courses.

Prerequisite Courses
- None

Required Courses (15 hrs)
- The internship will be a capstone experience taking an average of ten hours per week. Students are responsible for securing an internship position, which may be paid or unpaid, on- or off-campus, with qualifying performing arts organization. Students will secure approval for internship positions and responsibilities from the department curriculum committee.
- ACG 2021 Principles of Financial Accounting 3 hrs
- PAD 4144 Non-Profit Organizations 3 hrs
- TPA 4403 Theatre Management 3 hrs
- MUS 4403 Music Business and Industry 3 hrs
- THE 4941 Internship 1 hr

Restricted Electives (9 hrs)
- Select three courses, one from each of the three different areas.
- Restricted Electives may total either 9 or 10 hours depending on the course selected from the Management area.

Finance & Budgeting
- FIN 2100 Personal Finance and Investments 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs
- AGG 2071 Principles of Managerial Accounting 3 hrs

Management
- MAR 3023 Marketing 4 hrs
- MAN 3025 Management of Organizations 4 hrs
- MAN 2021 Management 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.arts.ucf.edu/
E-mail: philosophy@mail.ucf.edu
Dr. Jennifer Mundale, jmundale@pegasus.cc.ucf.edu, 407-823-2273

The Philosophy minor is intended to provide a limited, yet substantive, introduction to philosophical themes related to knowledge, responsibility, and society. Students, in consultation with a departmental advisor, will select courses in accordance with the distributions listed below.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses (15 hrs)
- Select one course from each of the following groups:

Reasoning
- PHI 2011 Philosophical Reasoning or 3 hrs
- PHI 2101 Formal Logic I or 3 hrs
- PHI 2647 Logic and Ethics or 3 hrs
- PHI 3131 Formal Logic II or 3 hrs
- PHI 2108 Critical Thinking 3 hrs

History of Philosophy
- 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 3 hrs

Values and Society
- PHI 3670 Ethical Theory or 3 hrs
- PHI 3625 Advanced Ethics in Science and Technology or 3 hrs
- PHM 3401 Philosophy of Law or 3 hrs
- PHI 3800 Aesthetics or 3 hrs
- PHI 3123 Feminist Theories or 3 hrs
- PHI 3638 Ethical Issues in the 21st Century or 3 hrs
- PHI 3625 Virtual Ethics or 3 hrs
- PHI 4633 Ethics and Biological Science or 3 hrs
- PPH 3100 Freedom and Justice or 3 hrs
- PHI 3640 Environmental Ethics or 3 hrs
- PHI 4031 Environmental Philosophy or 3 hrs
- PHI 3701 Native American Philosophy or 3 hrs
- PHI 3805 Contemporary Aesthetics 3 hrs

Being and Knowing
- PHI 4500 Metaphysics or 3 hrs
- PHI 4341 Ways of Knowing or 3 hrs
- PHI 4300 Theories of Knowledge or 3 hrs
### Philosophy, Religion and Popular Culture - Minor

**Department of Philosophy, Psychology Building, Room: 220**

**http://www.philosophy.cah.ucf.edu/**

**E-mail: philosophy@mail.ucf.edu**

Dr. Doug Evans (Orlando Campus), dkevans@mail.ucf.edu, 407-823-2273

Dr. Shelley Park, (Cocoa Campus), spark@mail.ucf.edu, 321-433-7919

The Philosophy, Religion, and Popular Culture minor examines popular culture through the critical lenses of philosophy and religious studies. Students interested in the Interdisciplinary Studies major may find this minor particularly helpful. In consultation with a departmental advisor, students will select courses in accordance with the distributions listed below.

#### Minors

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4400</td>
<td>Philosophy of Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3320</td>
<td>Philosophy of Mind or</td>
<td>3 hrs</td>
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<td>PHI 3451</td>
<td>Philosophy of Psychology or</td>
<td>3 hrs</td>
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<tr>
<td>PHI 4420</td>
<td>Philosophy of Social Science or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3323</td>
<td>Minds and Machines: Philosophy of Cognitive Science or</td>
<td>3 hrs</td>
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<tr>
<td>PHP 4782</td>
<td>Phenomenology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4221</td>
<td>Philosophy of Language</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Required Courses (21 hrs)

#### Prerequisite Courses

#### Restricted Electives (6 hrs)

- Must consult an advisor for approved courses in this area.
- Note: Appropriate Special Topics in Philosophy may be substituted for some core courses with prior approval by departmental advisor.

#### Foreign Language Requirements

- None

#### Other Requirements

- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor without approval by the Chair.
- Any substitutions must be approved by the department prior to being taken.

#### Theoretical Foundations 6 hrs

Take all of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 3684</td>
<td>Ways of Living and</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4341</td>
<td>Ways of Knowing</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Philosophy 3 hrs

Select 1:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 2101</td>
<td>Formal Logic I or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3670</td>
<td>Ethical Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3700</td>
<td>Philosophy of Religion or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3800</td>
<td>Aesthetics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 3100</td>
<td>Freedom and Justice or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3720</td>
<td>Faith and Reason or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHP 3763</td>
<td>Existentialism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4804</td>
<td>Critical Theory or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 4300</td>
<td>Theories of Knowledge</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Religion 3 hrs

Select 1:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLT 3378</td>
<td>Comparative Mythology or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3552</td>
<td>Christian Thought or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>REL 3553</td>
<td>Moses, Jesus and Muhammad or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3417</td>
<td>Hindu Thought and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 3419</td>
<td>Islamic Thought and Culture or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4303</td>
<td>The Spiritual Ideal or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>HUM 4554</td>
<td>Religious Quest and Human Dilemma or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHI 3750</td>
<td>The Problem of Evil</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Popular Culture Studies 9 hrs

- Select at least one course from Contemporary Media
- Select at least one course from Contemporary Forms of Life

#### Contemporary Media

Select 1:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</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>
<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>Popular Culture in Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

#### Contemporary Forms of Life

Select 1:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</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 3252</td>
<td>Contemporary Humanities or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>PHM 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

#### Other Requirements

- A “C” (2.0) grade or better is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.
Physics - Minor
College of Sciences
Department of Physics, Math and Physics, Room: 310
http://www.physics.ucf.edu
E-mail: physics@ucf.edu
Dr. Talat Rahman
Phone: 407-823-2325

Minor Admission Requirements
- The minor is not open to Physics majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 9 hours used in the minor must be earned at UCF within the department of Physics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (11 hrs)
- PHY 2048C Physics for Engineers & Scientists I 4 hrs
- PHY 2049C Physics for Engineers and Scientists II 4 hrs
- PHY 3101 Physics for Engineers and Scientists III 3 hrs

Restricted Electives (9 hrs)
- Select from upper-level Physics lecture or laboratory courses appropriate for majors

Foreign Language Requirements
- None

Total Semester Hours Required
- 20

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Political Science - Minor
College of Sciences
Department of Political Science, Howard Phillips Hall, Room: 302
http://www.cos.ucf.edu/politicalscience
E-mail: politics@ucf.edu
Dr. Roger Handberg
Phone: 407-823-2608

Minor Admission Requirements
- Double major/dual degree policy in Political Science programs and minors:
  1. Students who double minor in Political Science/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:
     - POS 2041 American National Government 3 hrs

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the minor must be earned at UCF within the department of Political Science.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (6 hrs)
- POS 2041 American National Government 3 hrs
- POS 2041L Political Science Internship 3 hrs

Restricted Electives (12 hrs)
- Select 1:
  - 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

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.
Minors

Psychology - Minor
College of Sciences
Department of Psychology, Psychology Building, Room: 301

http://www.psych.ucf.edu/
E-mail: psychadvising@ucf.edu
Psychology Advising Center, PSY 250
Phone: 407-823-2219

The Psychology Department minor permits emphasis of several areas: Clinical Psychology, Human Factors Psychology, and Industrial/Organizational Psychology. When designing a minor, select courses which strengthen graduate school preparation and/or employment potential. Emphasis areas will not appear on the transcript.

Minor Admission Requirements
- The minor is not open to psychology majors.

Minor Requirements
- A minimum GPA of 2.0 is required in all courses used to satisfy the minor.
- Students must maintain a minimum GPA of "C" (2.0) in the minor.
- At least 12 hours used in the minor must be earned at UCF within the department of Psychology.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (10 hrs)
- PSY 2012 General Psychology 3 hrs
- PSY 3204C Statistical Methods in Psychology 4 hrs

Select one statistics course: 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 3404C Basic Learning Processes or
  - EXP 3204C Perception or
  - EXP 3604C Cognitive Psychology or
  - PSB 4240C Neuropsychology or
  - PSY 3703 Psychology of Language 3 hrs

B. Personality/Social
- Select 1: 3 hrs
  - PPE 3003C Personality Theory and Research or
  - SOP 3004C Social Psychology 3 hrs

C. Developmental
- Select 1: 3 hrs
  - DEP 2004C Developmental Psychology or
  - DEP 3202 Psychology of Exceptional Children or
  - DEP 3464 Psychology of Aging 3 hrs

D. Diversity
- Select 1: 3 hrs
  - CLP 3184 Women’s Mental Health or
  - SOP 3742 Psychology of Women or
  - SOP 3723 Cross Cultural Psychology or
  - SOP 3724 Psychology of Prejudice or
  - SOP 3784 Psychology of Diversity 3 hrs

E. Select one additional Psychology elective 3 hrs
- The following courses will not fulfill this requirement:
  - INP 3141C Advanced Applied Psychology 1 hr
  - INP 3951 Industrial/Organizational Field Work 3 hrs
  - PSY 3805 Directed Independent Study 1 hr
  - PSY 4908 Directed Independent Study 1 hr
  - PSY 4912 Directed Independent Research 1 hr
  - 1 PSY 3951 Undergraduate Field Work 1 hr

1 This course may fulfill the requirement with prior approval.

Foreign Language Requirements
- None

Total Semester Hours Required
- 25

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- PAD 3003 Public Administration in American Society (21 hrs) 3 hrs
- PAD 4034 The Administration of Public Policy 3 hrs
- PAD 4104 Administrative Theory 3 hrs
- PAD 4204 Fiscal Management 3 hrs
- PAD 4414 Public Personnel Administration 3 hrs
- PAD 4720 Survey Research in Public Administration 3 hrs
- PAD 3733 Professional Administrative Writing in the Public Sector 3 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A minimum GPA of 2.0 is required in each course used to satisfy the minor.
- Students must earn at least a 2.0 (“C”) to earn credit.
- At least 15 hours used in the minor must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the minor without prior approval.

Real Estate - Minor
College of Business Administration

Dr. P. Phillips School of Real Estate, Business Administration I, Room: 427

Students seeking advising must go to BA 2 room 101.

http://www.bus.ucf.edu/realestate/

E-mail: pa/ba/bs@mail.ucf.edu
Dr. Michael Abels, 407-823-2604

Open to Business and Non-Business Students. Not available to Real Estate Majors.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- FIN 3403C Business Finance (6 hrs) 4 hrs
- ACG 2021 Principles of Financial Accounting 3 hrs
- ECO 2023 Principles of Microeconomics 3 hrs

Required Courses
- FIN 2100 Personal Finance and Investments 3 hrs
- FIN 3403C Business Finance 4 hrs
**Religious Studies - Minor**

**College of Arts and Humanities**

Department of Philosophy, Psychology Building, Room: 220


E-mail: religion@mail.ucf.edu

Dr. Sabatino DiBernardo, sdberna@mail.ucf.edu, 407-823-2273

The religious studies minor provides a limited yet coherent range of courses which introduce the student to a range of religious institutions and ideas. Courses are drawn from the departments of Anthropology, Art, English, History, Judaic Studies, Philosophy, Political Science, Psychology, and Sociology, and are to be selected in consultation with the Religious Studies advisor.

**Minor Admission Requirements**

- None

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- REL 2300 World Religions 3 hrs

**Restricted Electives**

- (Select from the following courses)
  - REL 2370 Classical Mythology 3 hrs
  - REL 3119 Comparative Mythology 3 hrs
  - HUM 3320 Contemporary Multicultural Studies 3 hrs
  - HUM 3401 Asian Humanities 3 hrs
  - HUM 3417 Hindu Thought and Culture 3 hrs
  - HUM 3419 Islamic Thought and Culture 3 hrs
  - HUM 3552 Christian Thought 3 hrs
  - HUM 4303 The Spiritual Ideal 3 hrs
  - HUM 4330 Performance Theory 3 hrs
  - HUM 4554 Religious Quest and Human Dilemma 3 hrs
  - PHI 3333 Philosophy, Religion, and the Environment 3 hrs
  - PHI 3638 Ethical Issues in the 21st Century 3 hrs
  - PHI 3672 Animal Ethics 3 hrs
  - PHI 3684 Ways of Living 3 hrs
  - PHI 3700 Philosophy of Religion 3 hrs
  - PHI 4321 Philosophies of Embodiment: Mind/Body/Self or
  - PHI 4341 Ways of Knowing 3 hrs
  - PHI 4804 Critical Theory 3 hrs
  - PHM 3100 Freedom and Justice 3 hrs
  - PHP 3786 Existentialism 3 hrs
  - REL 3111 Religion and Philosophy Through Film 3 hrs
  - REL 3115 Religion, Spirituality, and Popular Music 3 hrs
  - REL 3133 Religion in America 3 hrs
  - REL 3340 Buddhist Thought 3 hrs
  - REL 3342 Roots of Western Mysticism 3 hrs
  - REL 4110 Religion and the Arts 3 hrs
  - REL 4180 Religion and Medicine 3 hrs
  - REL 5553 Moses, Jesus, and Muhammad 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, Halli, and Havanna 3 hrs
- ANT 3241 Magic, Ritual, and Belief 3 hrs
- ANT 3245 Native American Religions 3 hrs
- ASH 3222 Islam and its Empires 3 hrs
- ASH 3223 The Modern Middle East 3 hrs
- JST 3005 Tenets of Judaism 3 hrs
- JST 3125 The Book of Job 3 hrs

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**Recreation - Minor**

**College of Education**

Department of Child, Family and Community Sciences, Education Building, Room: 209

Dr. Jay Hoffman, Program Coordinator, ED 320H, jhoffma@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

**Minor Requirements**

- None

**Prerequisite Courses**

- None

**Required Courses**

- DAE 3370 Dance and Rhythms 3 hrs
- PET 3771 Strength and Conditioning Concepts 3 hrs
- PET 4050C Motor Development and Learning 3 hrs
- PET 4312C Kinesiology/Biomechanics 3 hrs
- SPM 3130 Aquatic Management 3 hrs
- PET 4002 Outdoor and Leisure Activities 3 hrs
- SPM 3204 Sports and Ethics 3 hrs
- SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
- PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs

**Restricted Electives**

- (9 hrs)
  - Select from the following:
    - DAE 3370 Dance and Rhythms 3 hrs
    - PET 3771 Strength and Conditioning Concepts 3 hrs
    - PET 4050C Motor Development and Learning 3 hrs
    - PET 4312C Kinesiology/Biomechanics 3 hrs
    - SPM 3130 Aquatic Management 3 hrs
    - PET 4002 Outdoor and Leisure Activities 3 hrs
    - SPM 3204 Sports and Ethics 3 hrs
    - SPM 3415 Public Relations in Sport and Exercise Science 3 hrs
    - PET 3361 Nutrition and Metabolism in Sport and Exercise Science 3 hrs

**Foreign Language Requirements**

- None
### Secure Computing and Networks - Minor

**College of Engineering and Computer Science**  
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 346  
http://www.eecs.ucf.edu

Dr. Mark Llewellyn, markl@cs.ucf.edu, 407-823-3327

**Minor Admission Requirements**
- None

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- CIS 3360 Security in Computing 3 hrs  
- CIS 3362 Cryptography and Information Security 3 hrs

**Restricted Electives** (12 hrs)
- Elective Courses: Select any four courses from the following list.
  - Select 4: 12 hrs
  - CNT 4403 Network Security and Privacy or 3 hrs  
  - CIS 4361 Secure Operating Systems and Administration or 3 hrs  
  - CIS 4615 Secure Software Development and Assurance or 3 hrs  
  - CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs  
  - CNT 4704 Analysis of Computer Communication Networks or 3 hrs  
  - COP 4600 Operating Systems or 3 hrs  
  - EEL 4781 Computer Communication Networks 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

### Social Science Education - Minor

**College of Education**  
School of Teaching, Learning, and Leadership, Education Building, Room: 209  
http://education.ucf.edu/ssed/

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

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

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (19 hrs)
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs  
- EDF 4467 Learning Theory and Assessment 3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 19

**Other Requirements**
- Students should see an advisor prior to registering for classes
- Students must complete 18 hrs of courses in science as co-requisites
- Recommended courses include: BSC 2010, BSC 2011, CHM 2045, CHM 2046, PHY 2053 or PSC 1121
- At least 12 hours in the minor must be earned at UCF
- Obtain a minimum 2.5 GPA in courses used for minor

### Science Education - Minor

**College of Education**  
School of Teaching, Learning, and Leadership, Education Building, Room: 209  
http://education.ucf.edu/science/

Dr. Janet Andreasen, ED 123Q, jandreas@mail.ucf.edu, 407-823-5430

The Science Education minor is intended for non-Science Education majors. It is well suited for students majoring in another secondary content area or as an area for students enrolled in Interdisciplinary Studies. This minor is available for students in the 2008 catalog year and beyond.

**Minor Admission Requirements**
- Have a minimum 2.5 overall GPA
- Complete the University General Education Program requirements or its equivalent, i.e. an A.A. degree from an approved Florida community college or state university

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** (6 hrs)
- CIS 3360 Security in Computing 3 hrs  
- CIS 3362 Cryptography and Information Security 3 hrs

**Elective Courses: Select any four courses from the following list.**
- Select 4: 12 hrs
- CNT 4403 Network Security and Privacy or 3 hrs  
- CIS 4361 Secure Operating Systems and Administration or 3 hrs  
- CIS 4615 Secure Software Development and Assurance or 3 hrs  
- CNT 4703C Design and Implementation of Computer Communication Networks or 3 hrs  
- CNT 4704 Analysis of Computer Communication Networks or 3 hrs  
- COP 4600 Operating Systems or 3 hrs  
- EEL 4781 Computer Communication Networks 3 hrs

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 18

**Other Requirements**
- A minimum GPA of 2.0 is required in all the courses used to satisfy the minor
- No credit by exam (TSD, Military credit) may be used
- Internship, Co-op, or Independent Study credit cannot be used toward the minor

### Minors

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3144</td>
<td>Dead Sea Scrolls or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3450</td>
<td>Modern Jewish Experience or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3401</td>
<td>Jewish People in Antiquity or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3402</td>
<td>Wanderings: The Jewish People in Dispersion or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3550</td>
<td>Introduction of Modernism into Judaism or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>JST 3610</td>
<td>The Jewish National Movement and Roots of Zionism</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 3202</td>
<td>Death and Dying or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>LIT 4374</td>
<td>Literature of the Bible or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>POT 4632</td>
<td>Religion and Politics or</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SYO 4200</td>
<td>Religion in Society</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 21

**Other Requirements**
- 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.
### Sociology - Minor

**College of Sciences**

**Department of Sociology, Howard Phillips Hall, Room: 403**

[http://sociology.ucf.edu/](http://sociology.ucf.edu/)

**E-mail:** sociology@ucf.edu

Dr. Jay Corzine  
Phone: 407-823-3744

**Minor Admission Requirements**
- The minor is not open to Sociology majors.

**Minor Requirements**
- Students must earn a minimum GPA of at least 2.0 in all courses used to satisfy the minor.
- Grades below "C" (2.0) in lower level courses are not accepted.
- At least 15 hours used in the minor must be earned at UCF within the department of Sociology.
- No more than 3 hours of Independent Study credit can be used toward the minor.

**Prerequisite Courses**
- Students must satisfy each course’s prerequisites before enrolling in the class.

**Required Courses**
- SYG 2000  Introduction to Sociology  
  3 hrs

**Restricted Electives**
- 3 hrs

**Total Semester Hours Required**
- 19

**Other Requirements**
- No credit by exam (TSD, Military credit) may be used.
- Co-op or internship credit cannot be used toward the minor.

### Spanish - Minor

**College of Arts and Humanities**

**Department of Modern Languages and Literatures, Colbourn Hall, Room: 523**


**E-mail:** forlang@mail.ucf.edu

Dr. Paul Giordano, 407-823-2472

**Minor Admission Requirements**
- None

**Restricted Electives**
- 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.

### 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

**Minor Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**
- SPB 3003  Introduction to Sport Business Management  
  3 hrs
- SPB 3603  Diversity and Social Issues in Sport Business Management  
  3 hrs
- SPB 3823  The Role of Business Entrepreneurship in Sports/Entertainment  
  3 hrs
- MAR 4711  Sport Marketing  
  3 hrs

**Restricted Electives**
- 6 hrs

**Total Semester Hours Required**
- 18
Minors

Other Requirements
- SPB 3003 is the prerequisite for all other required and restricted elective courses in the minor. However, juniors and seniors may take SPB 3823 before taking SPB 3003.
- Students must have sophomore, junior or senior standing to enroll in SPB 3003.
- Students must have junior or senior standing to enroll in SPB 3823.
- Students must earn a grade of a “C” (2.0) or better, or an “S” grade, in courses within the minor in order to take additional courses in the minor.
- Students must maintain a minimum GPA of 2.5 to be enrolled in courses within the minor.
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.
- Internship, Independent Study, and Directed Research credit hours may be applied toward the requirements of completing the minor only if the credit hours are approved by the appropriate Department Chair.
- At least nine credit hours must be earned at UCF within the DeVos undergraduate Sport Business Management Minor program.
- A maximum of six credit hours of the above-listed required or elective courses can count toward another major or minor degree program.

Sport Business Management (SPB): Minor for Non-Business Majors - Minor
College of Business Administration
DeVos Sport Business Management, Business Administration II, Room: 205
http://www.bus.ucf.edu

Dr. C. Keith Harrison, Faculty Coordinator for SPB Minor, 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

Minor Requirements
- None

Prerequisite Courses (7 hrs)
- FIN 2100 Personal Finance and Investments 3 hrs
- MAR 3023 Marketing 4 hrs

Required Courses
- SPB 3003 Introduction to Sport Business Management 3 hrs
- SPB 3603 Diversity and Social Issues in Sport Business Management 3 hrs
- SPB 3823 The Role of Business Entrepreneurship in Sports/Entertainment 3 hrs
- MAR 4711 Sport Marketing 3 hrs

Restricted Electives (6 hrs)
- SPB 4304 Sports Event and Facility Management 3 hrs
- SPB 4804 Sport Business and Media 3 hrs
- GEB 4824 Business Law in Sport & Entertainment 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (CLEP, TSD, Military credit) may be used to satisfy any of the credit hour requirements in the minor.

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.

Minor Requirements
- A minimum grade of “C” (2.0) is required in all courses used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF within the department of Statistics.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- STA 4163 Statistical Methods II 3 hrs
- STA 4164 Statistical Methods III 3 hrs

Select 1: (3 hrs)
- STA 2023 Statistical Methods I 3 hrs
- STA 3032 Probability and Statistics for Engineers 3 hrs

Restricted Electives (9 hrs)
- Select from upper division STA prefix courses taught within the Statistics Department.
- The following course cannot be used as a restricted elective: STA 3032 Probability and Statistics for Engineers 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- No credit by exam (TSD, Military credit) may be used.
- Internship, Co-op, or Independent Study credit cannot be used toward the minor.

Technical Education and Industry Training - Minor
College of Education
Department of Educational and Human Sciences, Education Complex, Room: ED 123 N
http://education.ucf.edu/teched/
E-mail: jwhitema@mail.ucf.edu
Dr. Jo Ann M. Whiteman, ED 123 N, jwhitema@mail.ucf.edu, 407-325-6293
Phone: 407-823-2848

The minor in Technical Education and Industry Training provides a limited, but substantive experience in the area of technical education and industry training of adults. The minor is not intended for students admitted to a degree program in the College of Education and does not lead to teacher certification or admission to the College of Education. All courses are offered solely using the Web. This minor is available for students in the 2003 catalog year and beyond.

Minor Admission Requirements
- Must be Junior standing

Minor Requirements
- None
### Technological Entrepreneurship - Minor

**College of Business Administration**  
**College of Engineering and Computer Science**  

**Department of Management, Business Administration, Room: 309**  

**http://www.cei.ucf.edu**  

Cameron Ford, cford@bus.ucf.edu  
Phone: 407-823-5609

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 these innovations. This minor will prepare students in any engineering, science, technology or business discipline to create, enhance or manage a technology venture. Topics covered would include evaluating opportunities for commercializing innovations, analyzing markets and competitors, assessing options for protecting intellectual property, and exploring options for establishing and financing technology ventures.

- **Minor Admission Requirements**  
  - None

- **Minor Requirements**  
  - None

- **Prerequisite Courses**  
  - None

- **Required Courses**  
  - None (18 hrs)
    - ADE 4382 Teaching Adult Learners in Technical Programs 3 hrs
    - ECT 4384 Advanced Teaching Techniques for Vocational Education 3 hrs
    - ECT 3062 Professional Role of the Vocational Teacher 3 hrs
    - ECT 3367 Evaluation of Vocational Instruction 3 hrs
    - ECT 4184 Curriculum Development Techniques for Industry Training 3 hrs
    - ECT 4004 Principles and Practices of Technical Education 3 hrs

- **Restricted Electives**  
  - None

- **Foreign Language Requirements**  
  - None

- **Total Semester Hours Required**  
  - 18

- **Other Requirements**  
  - A minimum of 4 courses of the 6 required must be completed at UCF within the program of courses listed above.
  - A grade of “C” (2.0) or better must be achieved in each course used for this Minor.
  - Internship, Co-op, or Independent Study credit cannot be used towards this Minor.
  - No Military credit can be used toward this Minor.
  - Completion of this Minor does not complete requirements for certification as a Vocational Education teacher nor does it constitute admission to the College of Education.

- **All engineering, interdisciplinary students (e.g., business): (6 hrs)**
  - EGN 4412C Interdisciplinary Design I and 3 hrs
  - EGN 4413C Interdisciplinary Design II 3 hrs
  - BSEE, BSCPE:
    - BSE 4914 Senior Design I and 3 hrs
    - BSE 4915L Senior Design II 3 hrs
  - BSME:
    - EML 4501C Engineering Design I and 3 hrs
    - EML 4502C Engineering Design II 3 hrs
  - BSCE:
    - CCE 4810C Construction Design Project and 3 hrs
    - CEG 4801C Geotechnical Engineering Design 3 hrs
  - BSAE:
    - EAS 4700C Aerospace Design I and 3 hrs
    - EAS 4710C Aerospace Design II 3 hrs
  - Digital Media:
    - DIG 4713 Game Design and 3 hrs
    - DIG 4571C Game Production 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), Information Management and Entrepreneurship (DIG 3563), internships in small or technology-based companies, lecture series, or field research courses that specifically address entrepreneurship or innovation.
  - **Foreign Language Requirements**  
  - None
  - **Total Semester Hours Required**  
  - 18
  - **Other Requirements**  
  - A minimum GPA of 2.25 is required for acceptance into this minor degree program.
  - A cumulative GPA of 2.0 is required to successfully complete the minor.
  - Students must have a grade of “C” (2.0) or better in all courses in the minor.
  - At least 12 credit hours in the minor must be from UCF.

### Theatre - Minor

**College of Arts and Humanities**  
**Department of Theatre, UTC, Room: 180**  

**http://www.theatre.cah.ucf.edu**  

E-mail: theatre@mail.ucf.edu  
Earl Weaver, eweaver@mail.ucf.edu, 407-823-2862

- **Minor Admission Requirements**  
  - A successful interview and current resume

- **Minor Requirements**  
  - None

- **Prerequisite Courses**  
  - None

- **Required Courses**  
  - (15 hrs)
    - THE 2004 Script Analysis 3 hrs
    - THE 3311 Theatre History and Dramatic Literature I 3 hrs
    - TPP 2101 Fundamentals of Acting 3 hrs
    - TPA 2201 Technical Theatre Production 2 hrs
    - TPA 2201L Technical Theatre Production Lab 1 hr

  - **Select 1:** (3 hrs)
    - THE 2000 Theatre Survey or 3 hrs
    - THE 2020 Survey of Theatre for Majors 3 hrs

- ** Restricted Electives**  
  - Any DAA, DAN, THE, TPA, or TPP course taught by the theatre department and approved by the Undergraduate Coordinator in the Theatre department. Courses with these prefixes not taught by the Department of Theatre cannot be used in this program.
Foreign Language Requirements
- None

Total Semester Hours Required
- 21

Other Requirements
- A grade of "C" (2.0) or better is required in all courses used to satisfy the minor.
- Students must consult their department advisor every semester.
- No credit by exam (TSD, Military credit) may be used.

Internship or Independent Study credit cannot be used toward the minor.

Women's Studies - Minor
College of Arts and Humanities
Program in Women's Studies, Colbourn Hall, Room: 411A
http://womensstudies.cah.ucf.edu
E-mail: womenst@mail.ucf.edu
Dr. M.C. Santana, 407-823-2269
Phone: 407-823-6502

The Women's Studies minor provides students with an opportunity to learn about women's historical and contemporary roles, gain a working knowledge of interdisciplinary feminist scholarship, and reflect critically on their life experiences as shaped by gender and other forms of diversity. Courses are drawn from the departments and schools, including Anthropology, Art, Communication, Criminal Justice and Legal Studies, Film, English, Exceptional and Physical Education, Health Professions and Physical Therapy, History, Philosophy, Political Science, Psychology, Nursing, Social Work, Sociology, Theatre, and the Women's Studies Program.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- WST 3015 Introduction to Women's Studies 3 hrs

Select 1: 3 hrs
- WST 3522 First and Second Wave Feminisms or
- WST 3561 Third Wave Feminisms or
- WST 3621 Theories of Masculinity or
- WST 4349 Ecofeminism or
- WST 4415 Global and Transnational Feminism or
- LIT 4554 Advanced Feminist Theories or
- PHM 3123 Feminist Theories 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 Women, Race and Struggle 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 4022 Research in Women and Gender 3 hrs
- WST 4024 Girls and Leadership 3 hrs
- WST 4349 Ecofeminism 3 hrs
- WST 4415 Global and Transnational Feminism 3 hrs

Women's History
- AMH 3561 Women in American History I 3 hrs
- AMH 3562 Women in American History II 3 hrs
- ASH 4304 Women in China 3 hrs
- EUH 4610 Women in European Society: From Medieval to Modern 3 hrs

Representations of Women
- AML 3283 Contemporary American Women's Fiction 3 hrs
- ARH 4871 Women in Art 3 hrs
- COM 4014 Gender Issues in Communication 3 hrs
- FIL 3880C Images of Women in Film 3 hrs
- LIT 3383 Women in Literature 3 hrs
- LIT 3823 Hispanic Women Writers 3 hrs
- PHM 3022 Sexuality, Gender & Philosophy 3 hrs

UCF Theatre Department. Transfer credits are allowed, but student must satisfy the minor.

No credit by exam (TSD, Military credit) may be used.

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

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
- WST 3621 Theories of Masculinity 3 hrs
- WST 3561 Third Wave Feminisms 3 hrs
- WST 3621 Theories of Masculinity 3 hrs
- WST 4349 Ecofeminism 3 hrs
- WST 4415 Global and Transnational Feminism 3 hrs
- LIT 4554 Advanced Feminist Theories 3 hrs
- PHM 3123 Feminist Theories 3 hrs

Restricted Electives
- None

Students must consult departmental handbooks every semester.
Women's Wellness
CLP 3184 Women's Mental Health 3 hrs
NSP 4425 Women's Health Issues 3 hrs
SOP 3742 Psychology of Women 3 hrs

Select 1: 3 hrs
PEM 2405 Self Defense for Women and Men 3 hrs
SOP 2772 Sexual Behavior 3 hrs

Women and Social Policy
ANT 3302 Sex, Gender and Culture 3 hrs
ANT 4308 Gender Issues in Latin America 3 hrs
CCJ 4670 Women and Crime 3 hrs
CCJ 4681 Domestic Violence and the Justice System 3 hrs
CPO 4710 Women in Comparative Politics 3 hrs
INR 4085 Women, Gender, and Globalization 3 hrs
PUP 3325 Women and Political Behavior 3 hrs
PUP 3323 Women and Public Policy 3 hrs
SYD 3751 North American Indian Women Today 3 hrs
SYD 4810 Women in Contemporary Society 3 hrs
SYD 4813 Women, Law and Social Change 3 hrs
SYD 4100 Family Trends 3 hrs
SYD 3800 Sex and Gender in Society 3 hrs

Foreign Language Requirements
None

Total Semester Hours Required
18

Other Requirements
- Minimum grade of "C" (2.0) is required in each course used to satisfy the minor.
- At least 12 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, military credit) may be used.

World Comparative Studies - Minor
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The World Comparative Studies (WCS) minor is an interdisciplinary academic program intended to prepare students to live and work in, and make sense of, an increasingly interdependent and multicultural world. Students with an interest in international studies, as well as careers in business, communications, economics, education, environmental science, history, and politics, are invited to consider the minor as a supplement to their major.

All students must engage in an approved international experience. The language proficiency requirement must also be met.

Minor Admission Requirements
- None

Minor Requirements
- None

Prerequisite Courses
- None

Required Courses
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 3333</td>
<td>World Comparative Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

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.

ANT 3610 Language and Culture 3 hrs
ANT 3145 Archaeology of Complex Societies 3 hrs
ANT 3319 Anthropology of Diaspora 3 hrs
ANT 3212 Peoples of the World 3 hrs
ANT 4702 Culture, Power and Development 3 hrs
FSS 3008 Culture and Cuisine 3 hrs
HFT 4866C Exploring Wines of the World 3 hrs
HFT 3868 History and Culture of Wine 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 4713 International Macroeconomics 3 hrs
- ECO 4013 Development Economics 3 hrs
- ECO 3302 Economics and the Environment 3 hrs
- HFT 3700 Tourism Management 3 hrs
- INR 4035 International Political Economy 3 hrs
- ECO 4701 Seminar in Global Economic Policy 3 hrs

Biological and Geophysical Environment
- IDS 3150 Foundations of Environmental Studies 3 hrs
- ECO 3302 Economics and the Environment 3 hrs
- SYD 4510 Environment and Society 3 hrs
- HFT 4735 Tourism Geography 3 hrs
- INR 4351 International Environmental Law 3 hrs
- ENV 3001 Introduction to Environmental Engineering 3 hrs
- GIS 3043C GIS for Environmental Studies 3 hrs
- GIS 4035C Remote Sensing of the Environment 3 hrs
- PHI 3033 Philosophy, Religion, and the Environment 3 hrs
- PHI 3840 Environmental Ethics 3 hrs

Social Structure and Change
- ANT 3145 Archaeology of Complex Societies 3 hrs
- ANT 3273 Law and Culture 3 hrs
- ANT 4702 Culture, Power and Development 3 hrs
- PLA 4830 World Legal Systems 3 hrs
- SYP 4454 Global Inequality and Society 3 hrs

Media and Communication
- FIL 3845 World Cinema Traditions 3 hrs
- FIL 4844 Africana Cinema 3 hrs
- COM 4461 Intercultural Communication 3 hrs
- LIN 4643 Cross Cultural Communication 3 hrs
- THE 4212 Global Theatre 3 hrs
- FIL 3842 International Cinema 3 hrs

World Independent Specialization
- Any five upper division courses from the approved list of courses in any thematic concentration may be selected for this option with approval of the Interdisciplinary Studies office.

Foreign Language Requirements
- Students must demonstrate the equivalent of one year of successful college-level study in a foreign language. They can do this either by successful completion of the appropriate college-level course(s) or by examination.

Total Semester Hours Required
18

Other Requirements
- A grade of "C" (2.0) or above is required in each course used to satisfy the minor.
- At least 15 hours used in the minor must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study and international experiences require prior approval from the Interdisciplinary Studies advisors to be used in the minor.
The Minor in Writing and Rhetoric will provide students with in-depth writing preparation grounded in the discipline of writing and rhetoric studies. The curriculum emphasizes writing as civic and community engagement.

### Minor Admission Requirements

**Transfer Notes**
- Transfer courses in which students earned lower than a “C” (2.0 GPA) will not be accepted.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all supporting information.

### Minor Requirements

- Students must earn a minimum GPA of 2.5 in coursework used to satisfy the minor.
- A grade of “C” (2.0) or better is required in each course used to satisfy the minor.
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students cannot earn both the Minor in Writing and Rhetoric and the Certificate in Public and Professional Writing.

#### Prerequisite Courses (3 hrs)

1. ENC 1102  Composition II  3 hrs

2. ENC 1102 is a GEP course. It does not count towards the 18 credit hours needed to fulfill the Writing and Rhetoric Minor requirements.

#### Required Courses (3 hrs)

1. ENC 3331  Rhetoric and Civic Engagement  3 hrs

#### Restricted Electives (9 hrs)

- One course from each of the three Department of Writing and Rhetoric curricular clusters (see below):

#### Public, Professional and Disciplinary Writing (3 hrs)

- ENC 3250  Professional Writing  3 hrs
- ENC 3310  Magazine Writing I  3 hrs

#### Required Core Course

- Students should take core course as early in the program as possible.
- ENC 3331  Rhetoric and Civic Engagement  3 hrs

#### Foreign Language Requirements

- None

#### Total Semester Hours Required

- 18

### Other Requirements

Students must also take two courses from among the following (6 hrs):

- Any course offered by the Department of Writing and Rhetoric not used to satisfy another requirement of the minor.
- Any 3000 or 4000 level ENC technical communication course.
- Any 3000 or 4000 level approved Gordon Rule course including:
  - CRW 3011  Creative Writing for Non-Majors  3 hrs
  - CRW 3053  Theory & Practice of Creative Writing  3 hrs
  - PLA 3108  Legal Research  3 hrs
  - PLA 3155  Legal Writing  3 hrs
### Aging Studies - Certificate
#### College of Health and Public Affairs
#### School of Social Work, Health and Public Affairs I, Room: 204

E-mail: socialwk@mail.ucf.edu

BSW Coordinator
Phone: 407-823-2114

In recognition of the special needs of the older adults in Central Florida, the school offers a 15-credit interdisciplinary program open to all students in any major. This certificate prepares students for careers in applied gerontology, research, public service or for graduate training. Courses focus on the physiological, psychological, sociological, environmental, cultural, legal-ethical and public policy issues affecting older adults. Students majoring in health professions, biomedical sciences, criminal justice and legal studies, hospitality management, psychology, social work, nursing, sociology, business: exercise science, physical education, communication sciences and disorders or education find study of the aging process especially helpful. Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- A required internship, along with course options that include service-learning activities, complements the web-based course of study.
- Students select one of the internship courses listed below depending on their major. BSW majors must take the 9 credit hour field education course.

**Prerequisite Courses**
- None

**Required Courses**
- (6 hrs)
  - GEY 3001  Gerontology: An Interdisciplinary Overview 3 hrs
- Required Internship: (Select one)
  - 3 hrs
    - 1 SOW 4510  Field Education 9 hrs
    - 2 SOW 4941  Internship 9 hrs
    - PSY 3951  Undergraduate Field Work 3 hrs
    - SOW 4941  Internship 3 hrs

  1. (Full-time students ONLY). Cannot be used with SOW 4941.
  2. (Part-time students over two semesters ONLY). Cannot be used with SOW 4510.

**Restricted Electives**
- (9 hrs)
  - Students select three additional courses from the following courses:
    - A maximum of two courses in their College must be taken and at least one course must be outside their college.

**College of Health and Public Affairs**
- 6 hrs
  - HSA 4220  Long Term Patient Management 3 hrs
  - HSA 3222  Long Term Care and Administration 3 hrs
  - HSC 4564  Health Care Needs of the Elderly 3 hrs
  - PLA 4530  Legal Issues of the Elderly 3 hrs
  - SOW 4645  Social Services for the Elderly 3 hrs
  - NUR 4286  Gerontologic Nursing 3 hrs
  - SOW 3740  Social Work Practice with Loss & Life’s Transitions 3 hrs

**Other Colleges**
- 3 hrs
  - DEP 3464  Psychology of Aging 3 hrs
  - SYP 4730  Patterns of Aging in Society 3 hrs
  - GEY 5007  Women and Healthy Aging 3 hrs
  - SYP 4732  Minority Aging 3 hrs

  1. Open to undergraduates with senior standing

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A minimum GPA of 2.0 required in all courses used to satisfy the certificate
- Grades less than “C” (2.0) are not accepted
- At least 12 hours used in the certificate must be earned at UCF
- No credit by exam (TSD, Military credit) may be used.
- Independent Study cannot be used toward the certificate

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### Behavioral Forensics - Certificate
#### College of Sciences
#### Department of Psychology, Psychology Building, Room: 301

http://www.psych.ucf.edu/

E-mail: kmottare@mail.ucf.edu

Dr. Karen Mottarella
Phone: 321-433-7982

This certificate must be completed along with a Bachelor’s degree program of study. Certificates will be awarded only at the time of degree completion. The Behavioral Forensics Certificate is an interdisciplinary course of study that focuses on ways society attempts to recognize and deal with various forms of criminal behavior. The certificate exposes students to the practice of psychology within the legal system, including topics such as confidentiality, competency, and insanity. Students should view this certificate only as a way to shape and organize their coursework in this particular area of study; the certificate shows potential graduate schools and employers that students have been exposed to behavioral forensics.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF.

**Prerequisite Courses**
- (9 hrs)
  - Students must satisfy each course’s prerequisites before enrolling in the class.
  - Select 1: 3 hrs
    - Complete one introductory course:
      - PSY 3021  General Psychology or
      - SYG 2000  Introduction to Sociology
  - Take all of the following: 6 hrs
    - Complete both classes:
      - PPE 3003C  Personality Theory and Research and
      - SYP 3510  Sociology of Deviant Behavior
  - Required Courses
    - (9 hrs)
      - CLP 4390  Forensic Psychology
      - SOP 3751  Legal Aspects of Psychology
      - SYP 3520  Criminology
  - Restricted Electives
    - (12 hrs)
      - Note: It is the student’s responsibility to meet all prerequisites for every course selected
      - From Psychology, select one of the following: 3 hrs
        - CLP 3143  Abnormal Psychology
        - CLP 3302  Clinical Psychology
        - CLP 4134  Childhood Psychopathology
      - From Sociology, select two of the following: 6 hrs
        - SYP 3511  Sociology of Murder
        - SYP 3530  Juvenile Delinquency
        - SYP 3562  Patterns of Domestic Violence in Society
        - SYP 4521  Crime Victims in Society
        - SYP 4514  Patterns of Violence in Society
        - SYP 4536  Gangs and Society
        - SYP 3540  Sociology of Law
      - From Criminal Justice, select one of the following: 3 hrs
        - CCJ 3014  Crime in America
        - CCJ 3024  Criminal Justice System
        - CCJ 4670  Women and Crime
        - CJE 4630  Serial Murder and Criminal Justice
        - CJJ 3667  Victims and the CJ System
        - CJJ 4681  Domestic Violence and the Justice System
        - CJJ 4690  Sex Offenders and the Criminal Justice System
        - CJE 4012  Criminal Profiling in Criminal Justice

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 30
Certificates

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, Room: 204
E-mail: socialwk@mail.ucf.edu
BSW Coordinator
Phone: 407-823-2114

This certificate is awarded only to students in the undergraduate social work program. The Children’s Services Certificate is designed to help students learn about the various components of the child welfare system and how that system impacts children and families. Students are prepared to identify child welfare problems such as child abuse and neglect experienced by children and families and are taught basic skills in working with families and the child welfare system. The certificate includes both classroom academic work and a specialized field internship. The program is a joint effort between the Schools of Social Work in Florida and the Department of Children and Families to improve services to children and their families.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- Must be a BSW major.

Certificate Requirements
- Placement with the Department of Children and Families - Working with child welfare or placement in an agency that serves children
- Students need to discuss their interest in the certificate with the field office while arranging for their BSW placement

Prerequisite Courses
- None

Required Courses (18 hrs)
- SOW 3352 Practice II: Interpersonal Skills in Social Work: Children’s Services 3 hrs
- SOW 4654 Child Abuse: Treatment and Prevention 3 hrs
- Select 1: 9 hrs
  - SOW 4911 Field Education 9 hrs
  - SOW 4941 Internship 9 hrs

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 18

Other Requirements
- None

College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
R. Cory Watkins, 407-823-2603

Crime analysis and crime mapping are now recognized as essential and vital functions in law enforcement. Analysts take advantage of state-of-the-art computer technologies to support operations, investigations, and management. These specialists take data and produce information that is used to identify crime patterns, monitor crime trends, forecast future crime events, prepare statistical crime reports, and work directly with investigators to identify suspects. Five courses (15 credit hours) are required for this undergraduate certificate. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (9 hrs)
- CJE 4663 Crime Mapping and Pattern Analysis 3 hrs
- CCJ 4076 Crime Intelligence and Investigative Support Analysis 3 hrs

Restricted Electives (6 hrs)
- Select two of the following:
  - CCJ 3451 Justice System Technology 3 hrs
  - CJE 3444 Crime Prevention 3 hrs
  - CJE 4654 Crime and Place 3 hrs
  - CCJ 3450 The Criminal Justice Manager 3 hrs
  - CJE 4352 Policy Development in Law Enforcement 3 hrs
  - CJE 4572 Justice Agency Operations 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 technological and advanced methods. Treatment of the initial crime scene is fundamental not only to the pursuit of offenders but also to the presentation of the prosecutor’s case once offenders have been apprehended. The certificate program is a means of organizing information required to perform basic crime scene investigations. It provides theoretical and practical information used to assess crime scenes, the technology available and the procedures to employ in order to produce a forensically valuable product. The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit may not be used toward the program.

Prerequisite Courses
- None

Required Courses (12 hrs)
- CJE 4610 Criminal Investigation 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4572 Justice Agency Operations 3 hrs
- ANT 4521 Forensic Anthropology 3 hrs
- ANT 4183 Archaeological Sciences 3 hrs
- CJE 4012 Criminal Profiling in Criminal Justice 3 hrs
- CJE 4610 Criminal Investigation 3 hrs
Criminal Profiling - Certificate

Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311

New and more sophisticated techniques and tools of criminal investigation are being developed to assist in meeting the challenges facing today's law enforcement officers. One area that is becoming formalized in law enforcement is criminal profiling. The certificate program in Criminal Profiling is a way of organizing the fundamental information and education required for profiling. It provides both the theoretical and practical information related to the types of crimes for which profiling is most useful.

The program requires 15 credit hours of undergraduate work. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

- Select one of the following courses:
  - ANT 4526C Advanced Forensic Anthropology 5 hrs
  - SYP 3511 Sociology of Murder 3 hrs
  - CJE 4630 Serial Murder and Criminal Justice 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs
  - CHS 3501 Introduction to Forensic Science 3 hrs
  - ANT 3115 Archaeological Method and Theory 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 15

Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.

Restricted Electives (3 hrs)

- Select one of the following:
  - DSC 4012 Terrorism 3 hrs
  - CJE 4610 Criminal Investigation 3 hrs
  - CCJ 4195 Interviews & Interrogations in CJ 3 hrs

Environmental Tourism area (choose two classes)

- Choose two classes from one of the following areas:
  - American Heritage, Anthropology, Environmental Tourism, or Latin American.

Cultural Tourism - Certificate

Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302

This certificate harnesses the naturally related fields of tourism to cultural studies, focusing on the specific cultural and business conditions in Central Florida as well as tourism. The certificate complements several fields, including Hospitality Management, African American Studies, History, Anthropology, and Political Science. The cultural theme can be fulfilled by specialized areas in African American Heritage, Anthropology, Environmental Tourism, or Latin American.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses

- Select one of the following courses:
  - HFT 3540 Guest Services Management I 3 hrs
  - HFT 3700 Tourism Management 3 hrs
  - HFT 4735 Tourism Geography 3 hrs
  - ANT 4303 Anthropology of Tourism 3 hrs

Restricted Electives (6 hrs)

- Choose two classes from one of the following areas:
  - African American Heritage area (choose two classes)
    - AFA 3104 The Black Intellectual Experience 3 hrs
    - AFA 4105 Documenting African American Heritage and Life 3 hrs
  - SYD 3700 Race and Ethnicity 3 hrs

Anthropology area (choose two classes)

- Choose two classes from the following:
  - ANT 2140 Archaeology and the Rise of Human Culture 3 hrs
  - ANT 3212 Peoples of the World 3 hrs
  - ANT 2410 Cultural Anthropology 3 hrs
  - ANT 3115 Archaeological Method and Theory 3 hrs
  - ANT 3701 Applied Anthropology 3 hrs

Environmental Tourism area (choose two classes)

- Choose two classes from the following:
  - BOT 3152C Local Flora 3 hrs
  - PCB 3442 Aquatic Ecology 3 hrs
  - INR 4351 International Environmental Law 3 hrs
  - PUP 3203 Environmental Politics 3 hrs
  - PUP 4204 Sustainability 3 hrs
  - SYD 4510 Environment and Society 3 hrs

Latin American area (choose two classes)

- Choose two classes from the following:
  - ANR 3168 Maya Archaeology 3 hrs
  - ANR 3432 People and Cultures of Latin America 3 hrs
  - ANT 4340 Caribbean Cultures 3 hrs
  - ARH 4653 Meso American Art 3 hrs
  - CPO 4303 Comparative Latin American Politics 3 hrs
  - LAH 3400 History of Mexico and Central America 3 hrs
  - LAH 3470 History of the Caribbean 3 hrs
  - LAH 3130 Latin American History I 3 hrs
  - LAH 3200 Modern Latin America 3 hrs

Foreign Language Requirements

- None

Total Semester Hours Required

- 18

Other Requirements

- A grade of "C" or above (2.0) is required in each course used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate without prior permission of the program director.
Certificates

Diplomacy - Certificate
College of Sciences
Department of Political Science, Phillips Hall, Room: 302
Department of History, Colburn Hall, Room: 551
http://www.cos.ucf.edu/politicalscience
Dr. R. Handberg, 407-823-2608
Dr. E. Kallina, 407-823-2225

In an increasingly shrinking, interdependent world, an understanding of diplomacy and diplomatic processes is critical for work in global business, international organizations and government. Students who complete this certificate program will have gained experience in diplomatic history, concepts, theories, methods, protocol and practice. For degree-seeking students, certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None

Certificate Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the participating departments.

Prerequisite Courses
- Students must satisfy each course’s prerequisites before enrolling in the class.

Required Courses (9 hrs)
- INR 4030 Diplomacy 3 hrs
- AMH 4513 United States as a Great Power: 1945-Present 3 hrs
- INR 4102 American Foreign Policy 3 hrs

Restricted Electives (6 hrs)
Select two courses from the following list: 6 hrs
- INR 4114 American Security Policy or 3 hrs
- INR 4054 Global Politics of Energy or 3 hrs
- INR 4074 Immigration Policy or 3 hrs
- INR 4075 Human Rights Policy or 3 hrs
- INR 4076 Global Drug Policy or 3 hrs
- INR 4714 Politics of International Trade Policy or 3 hrs
- INR 4104 Topics and Cases in American Foreign Policy or 3 hrs
- INR 4351 International Environmental Law or 3 hrs
- INR 4401 International Law I or 3 hrs
- INR 4502 International Organizations or 3 hrs
- AMH 4512 US Diplomatic History: 1914-1945 or 3 hrs
- EUH 4620 European Great Powers: 1815-1914 or 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- 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.
- 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.

Educational Studies - Certificate
College of Education
School of Teaching, Learning, and Leadership,
Education Building, Room: 220B
http://education.ucf.edu/es/
E-mail: wwise@mail.ucf.edu
Dr. W. Scott Wise, ED 220B
Phone: 407-823-1502

The Educational Studies certificate is intended to provide for students outside the College of Education a limited but substantial experience in the fields of professional education. Students who successfully complete this certificate can expect to increase their marketability in careers that include educational components such as instructing, training, and lecturing. This certificate is designed to promote student success on the Florida Teacher Certification Exams but does not qualify students for teacher certification or admission into the College of Education. An Educational Studies minor that includes a sixth course is also an option. This certificate is available for students in the 2007 catalog year and beyond.

Certificate Admission Requirements
- None

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- EDF 4603 Analysis and Application of Ethical, Legal, and Safety Issues in Schools 3 hrs
- EDF 4467 Learning Theory and Assessment 3 hrs
- EDG 4410 Teaching Strategies and Classroom Management 3 hrs
- RED 4043 Content Reading in Kindergarten through Grade 12 3 hrs

Restricted Electives (3 hrs)
Choose one:
- MAE 4634 Programs in Teaching of Mathematics 3 hrs
- SSE 4936 Programs in Teaching Social Science 3 hrs
- LAE 4464 Survey of Adolescent Literature 3 hrs
- LAE 4342 Programs in Teaching Language and Composition 3 hrs
- SCE 4361 Programs in Teaching Science 3 hrs

Foreign Language Requirements
- None

Total Semester Hours Required
- 15

Other Requirements
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- A minimum GPA of 2.5 of all Gordon Rule classes is required.
- 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
- None

Prerequisite Courses
- None

Required Courses (12 hrs)
- FIN 4324 Commercial Bank Management 3 hrs
- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs

Select 1: 3 hrs
- MAR 3391 Professional Selling or 3 hrs
- FIN 4941 Finance Internship 3 hrs
Required Courses (12 hrs)

- Prerequisite Courses
- Coordinator.
- Internship firm, and must be approved by the Department of Finance Internship coordinator.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses

- None

Required Courses (12 hrs)

- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 3491 Finance Internship 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- None

Other Requirements

- None

Finance: Corporate Finance - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://web.bus.ucf.edu/academics/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses

- None

Required Courses (12 hrs)

- ACG 3131 Intermediate Financial Accounting I 3 hrs
- ACG 3141 Intermediate Financial Accounting II 3 hrs
- FIN 3414 Intermediate Corporate Finance 3 hrs
- FIN 4941 Finance Internship 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- None

Other Requirements

- None

Finance: Investments - Certificate
College of Business Administration
Department of Finance, Business Administration I, Room: 409
http://www.bus.ucf.edu/finance/

*Restricted to finance majors. These certificates do not require additional hours beyond the finance major program. They are intended to allow students to develop specializations in areas of interest. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements

- None

Certificate Requirements

- No course grade lower than a C will be accepted for the certificate requirements, and the average GPA for the four courses must be 3.0 or higher.
- An internship must be a paid internship with a financial services firm, and must be approved by the Department of Finance Internship coordinator.

Prerequisite Courses

- None

Required Courses (12 hrs)

- FIN 3504 Investment Analysis 3 hrs
- FIN 4514 Portfolio Analysis and Management 3 hrs

Restricted Electives

- None

Foreign Language Requirements

- None

Total Semester Hours Required

- None

Other Requirements

- None

Judaic Studies - Certificate
College of Arts and Humanities
Program in Judaic Studies, Colbourn Hall, Room: 415
E-J
http://www.judaicstudies.cah.ucf.edu
E-mail: judaicst@mail.ucf.edu
Dr. Moshe Pelli, 407-823-5039

The Interdisciplinary Program in Judaic Studies offers both a minor and a certificate. The Program cooperates with the departments of Anthropology, English, Modern Languages, History, Philosophy, Political Science, and Sociology, and with the Interdisciplinary Studies, Women's Studies, Religious Studies, and Middle Eastern Studies programs. The certificate in Judaic Studies will be awarded to students completing 15 hours in the following Judaic Studies courses. For minor requirements, refer to the section on Judaic Studies Minor.

Certificate Admission Requirements

- None

Certificate Requirements

- None

Prerequisite Courses

- None

Required Courses (15 hrs)

<table>
<thead>
<tr>
<th>Language</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>HBR 1120</td>
<td>Elementary Modern Hebrew Language and Culture I 4 hrs</td>
</tr>
<tr>
<td>HBR 1121</td>
<td>Elementary Modern Hebrew Language and Culture II 4 hrs</td>
</tr>
<tr>
<td>HBR 2200</td>
<td>Intermediate Modern Hebrew I 3 hrs</td>
</tr>
<tr>
<td>HBR 2201</td>
<td>Intermediate Modern Hebrew II 3 hrs</td>
</tr>
<tr>
<td>HBR 3250</td>
<td>Biblical Hebrew 3 hrs</td>
</tr>
<tr>
<td>HBR 3410</td>
<td>Conversational Israeli Hebrew 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jewish History</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3401</td>
<td>Jewish People in Antiquity 3 hrs</td>
</tr>
<tr>
<td>JST 3402</td>
<td>Wanderings: The Jewish People in Dispersion 3 hrs</td>
</tr>
<tr>
<td>JST 3550</td>
<td>Introduction of Modernism into Judaism 3 hrs</td>
</tr>
<tr>
<td>JST 3481</td>
<td>20th Century Jewish History and Thought 3 hrs</td>
</tr>
<tr>
<td>JST 3701</td>
<td>History of the Holocaust 3 hrs</td>
</tr>
<tr>
<td>JST 3415</td>
<td>American Jewish History 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bible</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3120</td>
<td>Hebrew Scriptures 3 hrs</td>
</tr>
<tr>
<td>JST 3125</td>
<td>The Book of Job 3 hrs</td>
</tr>
<tr>
<td>JST 3126</td>
<td>Romantic Love in the Bible 3 hrs</td>
</tr>
<tr>
<td>JST 3144</td>
<td>Dead Sea Scrolls 3 hrs</td>
</tr>
<tr>
<td>JST 3190</td>
<td>The Biblical Prophets 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Literature</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3100</td>
<td>The Hebrew Creative Mind 3 hrs</td>
</tr>
<tr>
<td>JST 3312</td>
<td>Identity and Genre 3 hrs</td>
</tr>
<tr>
<td>JST 3751</td>
<td>Literature of the Holocaust 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jewish Civilization</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3005</td>
<td>Tenets of Judaism 3 hrs</td>
</tr>
<tr>
<td>JST 3121</td>
<td>Classic Texts of Judaism 3 hrs</td>
</tr>
<tr>
<td>JST 3210</td>
<td>Kabbalah: Jewish Mysticism 3 hrs</td>
</tr>
<tr>
<td>JST 3620</td>
<td>Contemporary Jewish Ethics and Morality 3 hrs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Culture</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>JST 3450</td>
<td>Modern Jewish Experience 3 hrs</td>
</tr>
<tr>
<td>JST 3810</td>
<td>The Jewish National Movement and Roots of Zionism 3 hrs</td>
</tr>
<tr>
<td>JST 3820</td>
<td>Modern Israeli Culture 3 hrs</td>
</tr>
</tbody>
</table>
Certificates

Other courses, including special topics, with the approval of the Director
Restrict Electives
  ■ None
Foreign Language Requirements
  ■ None
Total Semester Hours Required
  ■ 15

Other Requirements
  ■ A grade of "C" (2.0) or better is required in all courses used to satisfy the certificate.
  ■ At least 12 hours used in the certificate must be earned at UCF.
  ■ No credit by exam (TSD, Military credit) may be used.
  ■ Internship, Co-op, or Independent Study credit cannot be used toward the certificate.

Language Development and Disorders - Certificate
College of Health and Public Affairs
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101
http://www.cohpa.ucf.edu/comdis
E-mail: advising@mail.ucf.edu
TBA

Language disorders are the most prevalent communication disorder. Typically children, adolescents and adults with language disorders are served via a team approach that includes speech-language pathologists, psychologists, neurologists, pediatricians, nurses, social workers, physical therapists, occupational therapists, school counselors, and general and special educators. This certificate is designed for undergraduate students who are not majoring in Communication Sciences and Disorders but are in disciplines related to speech-language pathology who wish to pursue a special emphasis in language development and disorders in children, adolescents and adults.

Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
  ■ None
Certificate Requirements
  ■ None
Prerequisite Courses
  ■ None

Required Courses (13 hrs)
  LIN 3716 Language Development 3 hrs
  SPA 4400 Language Disorders Across the Life Span 3 hrs
  LIN 3716L Language Development Lab 2 hrs
  LIN 3673 Grammar & Advanced Prose Style 3 hrs

Restricted Electives
  ■ None
Foreign Language Requirements
  ■ None
Total Semester Hours Required
  ■ 11

Other Requirements
  ■ A minimum grade of "C-" (1.75) is required in each course.
  ■ Students must earn an overall GPA of 2.0 in courses to complete the certificate.
  ■ At least 10 hours used in the program must be earned at UCF with the Department of Communication Sciences and Disorders.
  ■ No credit by exam (TSD, Military credit) internship or independent study may be used toward the certificate.

Leadership Studies - Certificate
Office of Undergraduate Studies
Office of Interdisciplinary Studies, Classroom I, Room: 302
http://www.is.ucf.edu
E-mail: is@mail.ucf.edu
Phone: 407-823-0144

The Leadership Studies (LS) certificate is an interdisciplinary academic program that focuses on developing several dimensions of leadership understanding and skills for undergraduate students. The certificate builds upon foundational courses with specific aspects of leadership covered.

Certificate will be awarded only at time of degree completion.

Certificate Admission Requirements
  ■ None
Certificate Requirements
  ■ None
Prerequisite Courses
  ■ None

Required Courses (13 hrs)

Foundation Requirement 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
    - COM 3011C Communication and Human Relations or
    - COM 3120 Organizational Communication or
    - COM 4661 Intercultural Communication or
    - COM 4662 Conflict Management 3 hrs
  ■ Collaboration
    - INP 3004C Industrial/Organizational Psychology or
    - INP 4313 Organizational Psychology or
    - MAN 4240 Organizations: Theory and Behavior or
    - MAN 3025 Management of Organizations or 3 hrs
  ■ Social Relations and Culture
    - ANT 3541 Biobehavioral Anthropology or
    - CLP 3143 Abnormal Psychology or
    - COM 4661 Intercultural Communication or
    - EXP 3304C Motivation or
    - SOP 3004C Social Psychology or
    - SOP 3723 Cross Cultural Psychology or
    - SOP 3742 Psychology of Women or
    - SOP 3784 Psychology of Diversity 3 hrs
  ■ Ethics
    - BUL 3130 Legal and Ethical Environment of Business or
    - EDF 3601 Professional Ethics in Education or
    - PAD 3040 Ethics and Values in Public Administration or
    - PHI 2108 Critical Thinking or
    - PHI 3640 Environmental Ethics 3 hrs

Politics
  - PAD 3003 Public Administration in American Society or
  - PAD 4104 Administrative Theory or
  - PAD 4144 Non-Profit Organizations or
  - PAF 4754 Interdisciplinary Leadership in Public Affairs or
  - POS 3413 The American Presidency or
  - POS 4206 Political Psychology or
  - PUP 3325 Women and Political Behavior 3 hrs

Ethics
  - BUL 3130 Legal and Ethical Environment of Business or
  - EDF 3601 Professional Ethics in Education or
  - PAD 3040 Ethics and Values in Public Administration or
  - PHI 2108 Critical Thinking or
  - PHI 3640 Environmental Ethics 3 hrs

Restricted 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)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 3721</td>
<td>Technology Applications in Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>^MAR 4941</td>
<td>Marketing Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

^Internship in “e”-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: 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)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4712</td>
<td>Healthcare Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>^MAR 4941</td>
<td>Marketing Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

^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)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4231</td>
<td>Retailing Management</td>
<td>3 hrs</td>
</tr>
<tr>
<td>^MAR 4941</td>
<td>Marketing Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

^Internship in retail-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

Restricted Electives
- None

Foreign Language Requirements
- None

Total Semester Hours Required
- 6

Other Requirements
- None

Marketing: Entertainment Marketing - Certificate
College of Business Administration
Department of Marketing, Business Administration II, Room: 307S
Certificates will be awarded only at the time of Marketing degree completion.

Certificate Admission Requirements
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major.

Certificate Requirements
- None

Prerequisite Courses
- None

Required Courses (6 hrs)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4712</td>
<td>Entertainment Marketing</td>
<td>3 hrs</td>
</tr>
<tr>
<td>^MAR 4941</td>
<td>Marketing Internship</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

^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: 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.
### 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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAR 4841</td>
<td>Services Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Internship in services-related position. Certificate attainment is subject to the availability of internship opportunities in the area of interest.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 6

**Other Requirements**
- None

### Marketing: Sport Marketing Management - Certificate
#### College of Business Administration

**Department of Marketing, Business Administration II, Room: 307S**

Certificates will be awarded only at the time of Marketing degree completion.

**Certificate Admission Requirements**
- Restricted to Marketing majors
- These six hours count as the six elective marketing hours required in the major.

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses**

<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</td>
</tr>
<tr>
<td>MAR 4941</td>
<td>Marketing Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 4301C</td>
<td>Leadership and Management</td>
<td>4</td>
</tr>
<tr>
<td>MSL 4302C</td>
<td>Officership</td>
<td>4</td>
</tr>
<tr>
<td>ANH 3547</td>
<td>U.S. Military History Since 1900</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 1:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 3201C</td>
<td>Leadership and Problem Solving</td>
<td>4</td>
</tr>
<tr>
<td>MSL 3202C</td>
<td>Leadership and Ethics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades less than “C-” (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.

### Nonprofit Management - Certificate
#### College of Health and Public Affairs

**Department of Public Administration, Health and Public Affairs II, Room: 238**

http://www.cohpa.ucf.edu/pubadm

E-mail: pa/ba/bs@mail.ucf.edu

Mary Ann Feldheim, 407-823-2604

The Certificate program will provide basic knowledge in nonprofit management, resource development, volunteer management, strategic planning, and program evaluation for those students interested in nonprofit sector management as a career.

Certificates will be awarded only at the time of degree completion.

**Certificate Admission Requirements**
- None

---

**Certificates**

### 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>MAR 3403</td>
<td>Sales Force Management</td>
<td>3</td>
</tr>
<tr>
<td>MAR 4941</td>
<td>Marketing Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

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

---

**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**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSL 4301C</td>
<td>Leadership and Management</td>
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</tr>
<tr>
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</tr>
<tr>
<td>ANH 3547</td>
<td>U.S. Military History Since 1900</td>
<td>3</td>
</tr>
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Select 1:

<table>
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<tr>
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<tr>
<td>MSL 3201C</td>
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<td>4</td>
</tr>
<tr>
<td>MSL 3202C</td>
<td>Leadership and Ethics</td>
<td>4</td>
</tr>
</tbody>
</table>

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 15

**Other Requirements**
- A minimum GPA of 2.0 is required in all courses used to satisfy the certificate.
- Grades less than “C-” (1.75) are not accepted.
- No credit by exam (TSD, Military Credit) may be used.
- Internship or Independent Study credit can be used toward the certificate.
- Students earning the Military Science Minor are not eligible for this certificate.
Public and Professional Writing - Certificate
College of Arts and Humanities
Department of Writing and Rhetoric, Colbourn, Room: 301 B
http://writingandrhetoric.cah.ucf.edu
Dr. Blake Scott, bscott@mail.ucf.edu, 407-823-1057

The Certificate in Public and Professional Writing will provide students with additional training and experience in workplace and public (i.e., civic, community-based) writing.

Certificate Admission Requirements
Transfer Notes
- Grades lower than a “C” (2.0) GPA will not be accepted for transfer credit.
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. Student must provide all appropriate documentation.

Certificate Requirements
- Students must complete an electronic writing portfolio approved by the Director of Degree Programs.
- Students must earn a minimum of a 2.5 GPA in coursework used to satisfy certificate.
- A grade of “C” (2.0) or better is required in each course used to satisfy the certificate.
- Students should consult with a department advisor.
- Students cannot earn both the Certificate and the Minor in Writing and Rhetoric.

Prerequisite Courses
Prerequisite
- ENC 1102 Composition II 3 hrs
- ENC 1102 is a GEP course. It does not count towards the 12 credit hours needed to fulfill the Public and Professional Writing Certificate requirements.

Required Courses (15 hrs)
- PAD 4144 Non-Profit Organizations 3 hrs
- PAD 4148 Volunteer Management 3 hrs
- PAD 4147 Resource Development in the Nonprofit Sector 3 hrs
- PAD 4325 Program Evaluation for Public and Non-Profit Organizations 3 hrs
- PAD 4153 Planning and Improvement for Pub Org 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)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4203 Commercial Real Estate Finance 3 hrs
- REE 4204 Residential Real Estate Finance 3 hrs
- Select 1: MAR 3391 Professional Selling or 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
- None

Other Requirements
- None
Certificates

Real Estate: Real Estate Appraisal - Certificate
College of Business Administration
Dr. P. Phillips School of Real Estate, Business Administration II, Room: 101
http://web.bus.ucf.edu/realestate/

Restricted to real estate majors. These certificates do not require additional hours beyond the BSBA real estate major program. They are intended to allow students to develop specializations in specific areas of interest and to prepare for licensing exams. Certificates will be awarded only at the time of degree completion.

Completion of this certificate qualifies a student to sit for the Florida real estate appraiser's license.

Certificate Admission Requirements
- None
Certificate Requirements
- None
Prerequisite Courses
- None
Required Courses (15 hrs)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4103 Real Estate Appraisal and Valuation 3 hrs
- MAR 3391 Professional Selling 3 hrs
- 1 REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- None

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 license.

Certificate Admission Requirements
- None
Certificate Requirements
- None
Prerequisite Courses
- None
Required Courses (15 hrs)
- REE 3043 Fundamentals of Real Estate 3 hrs
- REE 3433 Real Estate Law 3 hrs
- REE 4303 Real Estate Investment Analysis 3 hrs
- MAR 3391 Professional Selling 3 hrs
- 1 REE 4941 Internship 3 hrs

1 Internship must be paid internship in the area of specialization, and should be completed in the senior year after completing at least 6 hours of real estate courses. Internship packets are available in the Department of Finance (BA 409). Certificate attainment is subject to the availability of internship opportunities in the area of interest. A student must have earned an overall GPA of at least 3.0 to qualify for an internship.

Restricted Electives
- None
Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- None

Security Management - Certificate
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs I, Room: 311
E-mail: cjadvise@mail.ucf.edu
Jerome Randall, 407-823-2603

The security industry is rapidly growing in the State of Florida and in the nation. This area is in need of qualified, innovative managers and leaders to meet the demands of the twenty-first century. A student in this certificate program will gain experience in risk assessment, legal issues, and contemporary approaches to security management. Certificates will be awarded only at the time of degree completion.

Certificate Admission Requirements
- None
Certificate Requirements
- None
Prerequisite Courses
- None
Required Courses (12 hrs)
- SCC 3311 Security Administration 3 hrs
- CJT 3803 Security Management 3 hrs
- CJT 4843 Risk Management in Criminal Justice/Private Security 3 hrs
- CCJ 4644 White Collar Crime 3 hrs

Restricted Electives (3 hrs)
- Select one of the following:
  - PLA 5937 Seminar in Contemporary Legal Problems 3 hrs
  - CJE 3444 Crime Prevention 3 hrs
  - PL 3277 The Law of Torts 3 hrs
  - SCC 3316 Special Security Problems 3 hrs
  - DSC 4012 Terrorism 3 hrs

Foreign Language Requirements
- None
Total Semester Hours Required
- 15
Other Requirements
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the certificate must be earned at UCF within the department.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
### Certificates

**Service-Learning - Certificate**

**Office of Undergraduate Studies**  
**Office of Experiential Learning, Ferrell Commons,**  
**Room: 203**

[http://www.explearning.ucf.edu](http://www.explearning.ucf.edu)
A. Zeh, azeh@mail.ucf.edu, 407-823-2667

The certificate program in Service-Learning is designed for students in any discipline who seek to engage in a reflective analysis of community service as it relates to academic course work. Service-Learning furthers the learning objectives of the academic course, addresses community needs, and requires students to reflect on their activity in order to gain an appreciation for the relationship between civics and academics. Through Service-Learning (SL) courses, students develop academic skills, civic responsibility, and career opportunities. Since this certificate requires the completion of four SL courses, it reflects significant interest and commitment to this process. This certificate is open to all undergraduate and graduate students in any major.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(12 hrs)*
- 4 UCF-approved SL courses
  - Students may choose any four of the UCF-approved service-learning courses in any discipline to satisfy the credit hour requirements. Service-Learning courses are designated with an “SL” and can be accessed under "special groups" in the class schedule.

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 12

**Other Requirements**
- Minimum GPA of 2.5 in UCF-approved SL classes.
- Minimum of 60 community service hours in four (4) UCF-approved SL classes.

---

**Substitute Teaching - Certificate**

**College of Education**  
**School of Teaching, Learning, and Leadership,**  
**Education Building, Room: 220B**

[http://education.ucf.edu/](http://education.ucf.edu/)

**E-mail:** wwise@mail.ucf.edu  
Dr. W. Scott Wise, ED 220B  
Phone: 407-823-1502

The Substitute Teaching Certificate is designed for undergraduates who want to prepare themselves for substitute teaching assignments in PK-12 schools. The certificate is intended for University students enrolled outside the College of Education and does not lead to teacher certification or admission to the College of Education. The certificate is appropriate for students who are seeking an enhanced understanding of how to be an effective substitute teacher in PK-12 school classrooms, or for those who are considering a future career as a fully certified teacher. This certificate may also strengthen the marketability of students' major programs. This certificate is available for students in the 2006 catalog year and beyond.

**Certificate Admission Requirements**
- None

**Certificate Requirements**
- None

**Prerequisite Courses**
- None

**Required Courses** *(9 hrs)*
- EDF 2007  Introduction to Substitute Teaching  3 hrs

---

**Teaching English as a Foreign Language - Certificate**

**College of Arts and Humanities**  
**Department of Modern Languages and Literatures,**  
**Colbourn Hall, Room: 523**

[http://mll.cah.ucf.edu](http://mll.cah.ucf.edu)
Dr. K. Folse, 407-823-4555  
Phone: 407-823-2472

Certificates will be awarded only at time of degree completion.

**Certificate Admission Requirements**
- None

**Certificate Requirements** *(12 hrs)*
- None

**Prerequisite Courses**
- None

**Required Courses** *(12 hrs)*
- TSL 3346  English as an International Language  3 hrs
- TSL 4240  Issues in Second Language Acquisition  3 hrs
- TSL 4363  ESL Classroom Experiences  3 hrs
- ANT 3610  Language and Culture  3 hrs
- TSL 4240  Issues in Second Language Acquisition  3 hrs
- TSL 3346  English as an International Language  3 hrs

**Restricted Electives**
- None

**Foreign Language Requirements**
- None

**Total Semester Hours Required**
- 12

**Other Requirements**
- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- All 12 hours used in the certificate must be earned at UCF within the participating departments.
- No credit by exam (TSD, Military credit) may be used.
- Internships, independent study and substitute courses/new courses are allowed at the director’s discretion.

---

**Translation and Interpretation - Certificate**

**College of Arts and Humanities**  
**Department of Modern Languages and Literatures,**  
**Colbourn Hall, Room: 505**

[http://mll.cah.ucf.edu](http://mll.cah.ucf.edu/)
Maria Redmon, CNH 512, mredmon@mail.ucf.edu, 407-823-5738

Certificates are available for students in the 2006 catalog year and beyond.

**Certificate Admission Requirements**
- Students must pass an oral exam for proficiency in Spanish and English before being admitted to the certificate program.

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**EDF 2250**  Classroom Management for Substitute Teachers  3 hrs
**EDG 2311**  Teaching Strategies for Substitute Teachers  3 hrs
### Certificate Requirements

- **None**

### Prerequisite Courses

- **None**

### Required Courses (12 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPT 3800</td>
<td>Spanish Translation and Interpretation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPT 3805</td>
<td>Spanish Translation and Interpretation for Mass Communication</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPT 3809</td>
<td>Medical Spanish Translation/Interpretation</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SPT 3831</td>
<td>Spanish Legal Translation and Interpretation</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (6 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPN 3933</td>
<td>Spanish Across the Curriculum</td>
<td>1 hr</td>
</tr>
<tr>
<td>SPN 4941</td>
<td>Internship</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Any upper division SPN or SPT course with advisor’s approval

### Foreign Language Requirements

- **None**

### Total Semester Hours Required

- **18**

### Other Requirements

- A minimum GPA of 2.0 is required in courses used to satisfy the certificate.
- Grades below “C” (2.0) in lower level courses are not accepted.
- At least 12 hours used in the certificate must be earned at UCF within the Department.
- No credit by exam (TSD, Military credit) may be used.
- Independent Study or Co-op credit cannot be used toward the certificate.
- Satisfactory completion of translation and interpretation exit exam.

### Victim Advocacy - Certificate

**College of Health and Public Affairs**  
**Department of Criminal Justice and Legal Studies**,  
**Health and Public Affairs I, Room: 311**  
**E-mail: cjavise@mail.ucf.edu**

Mary Ann Eastep, 407-823-2603

The Criminal Justice System can be difficult for crime victims to navigate. This Certificate in Victim Advocacy provides a theoretical and practical knowledge base for professionals in various fields who work or plan to work with and advocate for crime victims. The program requires 15 hours of undergraduate work. Courses are offered by the Department of Criminal Justice and Legal Studies, the College of Nursing, the Department of Sociology, and the School of Social Work. Certificates will be awarded only at the time of degree completion.

### Certificate Admission Requirements

- **None**

### Certificate Requirements

- **None**

### Prerequisite Courses

- **None**

### Required Courses (9 hrs)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCJ 3667</td>
<td>Victims and the CJ System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4670</td>
<td>Women and Crime</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4681</td>
<td>Domestic Violence and the Justice System</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (6 hrs)

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 4521</td>
<td>Crime Victims in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4516</td>
<td>Crisis Intervention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4754</td>
<td>Forensic Social Work Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4664</td>
<td>Juvenile Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4690</td>
<td>Sex Offenders and the Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>System</td>
<td></td>
</tr>
<tr>
<td>CCJ 4129</td>
<td>Cultural Diversity in Criminal Justice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### 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.

### Women’s Studies - Certificate

**College of Arts and Humanities**  
**Program in Women’s Studies, Colbourn Hall, Room: 411**  
**http://womensstudies.cah.ucf.edu**  
**E-mail: womensst@mail.ucf.edu**

Dr. M.C. Santana, 407-823-2269  
Phone: 407-823-6502

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 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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 3015</td>
<td>Introduction to Women’s Studies</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Restricted Electives (9 hrs)

Select two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYP 4521</td>
<td>Crime Victims in Society</td>
<td>3 hrs</td>
</tr>
<tr>
<td>NUR 4516</td>
<td>Crisis Intervention</td>
<td>3 hrs</td>
</tr>
<tr>
<td>SOW 4754</td>
<td>Forensic Social Work Theory and Practice</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4664</td>
<td>Juvenile Justice System</td>
<td>3 hrs</td>
</tr>
<tr>
<td>CCJ 4690</td>
<td>Sex Offenders and the Criminal Justice</td>
<td>3 hrs</td>
</tr>
<tr>
<td></td>
<td>System</td>
<td></td>
</tr>
<tr>
<td>CCJ 4129</td>
<td>Cultural Diversity in Criminal Justice</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

### Foreign Language Requirements

- **None**

### Total Semester Hours Required

- **12**

### Other Requirements

- A minimum overall GPA of 2.0 is required in courses used to satisfy the certificate.
- At least 12 hours used in the program must be earned at UCF.
- No credit by exam (TSD, Military credit) may be used.
- Internship or Independent Study credit cannot be used toward the certificate.
Aerospace Engineering - Accelerated Undergraduate-Graduate Program (B.S.A.E. / M.S.A.E. or M.S.M.E.)

College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
E-mail: mmaeugrad@ucf.edu
Dr. Alain Kassab, alain.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi (Kurt) Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Aerospace Engineering major in catalog for GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Science Foundations
E: Social Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Aerospace Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing these courses, together with the core requirements, technical elective courses and senior design courses listed. Independent study courses generally do not satisfy major requirements.

4. Core Requirements: Advanced Level (54 hrs)

5. Restricted Electives (9 hrs)
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSAE program to address specific student interests in a variety of technical areas. Students must consult with their assigned academic advisor for a list of the approved technical electives and the semesters when specific courses of this type are to be offered.

6. Capstone Requirements
- None

7. Foreign Language Requirements

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

9. Additional Requirements
- None

10. Required Minors
- None

11. Required Minors
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A minimum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 128

Total Combined Hours Required
- 146

Honors in Major
- None

Related Programs
- Mechanical Engineering
- Engineering Leadership

Certificates
- None

Related Minors
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Engineering Leadership

Advising Notes
- The baccalaureate degree will be awarded when program requirements for the BS are met and students have completed a minimum of 128 hours of credit. Students will then be reclassified as graduate students. The MSAE or MSME will be awarded on completion of the total program of study.
- The following will be waived for this joint degree program: The limit of nine hours to be shared between undergraduate and graduate programs. Undergraduate students taking graduate courses must be within nine hours of graduation. Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.

Transfer Notes
- None

Acceptable Substitutes for Transfer Courses
- None
### Communication Sciences and Disorders - Accelerated Undergraduate-Graduate Program (B.A.)

**College of Health and Public Affairs**  
Department of Communication Sciences and Disorders, Health and Public Affairs II, Room: 101  
http://www.cohpa.ucf.edu/comdis/  
E-mail: advising@mail.ucf.edu  
Phone: 407-823-4798

Purpose of this program - This program allows highly qualified undergraduate majors in communication sciences and disorders to enroll in 18 credit hours of graduate-level courses while completing the bachelor’s degree. This enables full-time students to achieve a master’s degree in one to two fewer semesters.

#### Admission Requirements
- Completion of the junior year of course work in communication sciences and disorders
- 3.5 GPA or better in courses in the major
- 1000 on the combined verbal and quantitative sections of the Graduate Record Examinations and a score of at least 500 on the verbal section
- Completion of a graduate application, including three letters of recommendation from faculty in the department, and a letter of intent which indicates reasons for desiring entrance into the accelerated program, personal strengths and how they have been demonstrated, and future goals.
- Students who achieve a “B” or better for all 18 credit hours of graduate course work will be formally admitted into the master’s program in communication sciences and disorders following receipt of the bachelor’s degree

#### Degree Requirements
- None

#### 1. UCF General Education Program (GEP)  
(36 hrs)

**A: Communication Foundations**  
(9 hrs)

- Prefer MGF 1106 Finite Mathematics  
3 hrs

**B: Cultural & Historical Foundations**  
(9 hrs)

- Prefer STA 2014C Principles of Statistics or STA 2023 Statistical Methods I  
3 hrs

**C: Mathematical Foundations**  
(6 hrs)

- Suggested PSY 2012 General Psychology  
3 hrs

**Select 1:**  
(3 hrs)

- Suggested STA 2014C Principles of Statistics or STA 2023 Statistical Methods I  
3 hrs

**D: Social Foundations**  
(6 hrs)

- Suggested ECO 2023 Principles of Microeconomics or POS 2041 American National Government  
3 hrs

**Select 1:**  
(3 hrs)

- Suggested ECO 2023 Principles of Microeconomics or POS 2041 American National Government  
3 hrs

**E: Science Foundations**  
(7 hrs)

- Prefer BSC 1005 Biological Principles  
3 hrs

- Prefer BSC 1005L Biological Principles Laboratory  
1 hr

- Required PHY 2XXX Physics Course  
3 hrs

#### 2. Common Program Prerequisites (CPP)

- STA 2014C Principles of Statistics  
GEP
- BSC 1005 Biological Principles  
GEP
- PSY 2012 General Psychology  
GEP
- PHY 2XXX Physics Course (GEP)

#### 3. Core Requirements: Basic Level
- None

#### 4. Core Requirements: Advanced Level  
(44 hrs)

- SPA 3471 Communication Disorders in Literature and Media  
3 hrs
- SPA 3101 Physiological Bases of Speech and Hearing  
3 hrs
- SPA 3112 Basic Phonetics  
3 hrs
- SPA 3112L Basic Phonetics Lab  
1 hr
- LIN 3716 Language Development  
3 hrs
- SPA 3011 Speech Science I: Production  
3 hrs
- SPA 3011L Speech Production Lab  
1 hr
- SPA 3104 Neural Bases of Communication  
3 hrs
- SPA 3123 Speech Science II: Perception  
3 hrs
- SPA 3123L Speech Perception Lab  
1 hr
- SPA 4032 Audiology  
3 hrs
- SPA 4321 Audiologic Rehabilitation  
3 hrs
- SPA 4478 Multicultural Aspects of Communication Disorders & Differences  
3 hrs
- DEP 2004C Developmental Psychology  
3 hrs
- LIN 3716L Language Development Lab  
2 hrs
- LIN 3713 Language Science  
3 hrs

**Select 1:**  
(3 hrs)

- EAB 3703C Principles of Behavior Modification or EEC 4601 Introduction to Behavior Management or EEC 4604 Classroom Management and Guidance of Young Children or EDF 3303 Learning Environments and Guidance for Young Children or SPA 3472 Guidance of Young Children with Communication Disorders

**Statistics Requirement**  
(6 hrs)

- Students have two options in completing this requirement:

  **Option 1:**  
  (6 hrs)
  
  - STA 2023 Statistical Methods I  
  3 hrs
  - STA 4163 Statistical Methods II  
  3 hrs

  **Option 2:**  
  (3 hrs)
  
  - STA 2014C Principles of Statistics and SPA 4803 Research Methods in Communication Sciences and Disorders  
  3 hrs
  or
  - STA 2023 Statistical Methods I and SPA 4803 Research Methods in Communication Sciences and Disorders  
  3 hrs

#### 5. Restricted Electives  
(9 hrs)

- B.A. Option: Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year in college
- B.S. Option: Students pursuing the B.S. degree must complete two upper division health science courses (six credit hours) approved by the Department of Communication Sciences and Disorders.

#### 6. Capstone Requirements  
(3 hrs)

- None

#### 7. Foreign Language Requirements

**Admissions**

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation. American Sign Language (ASL) can be used to fulfill the foreign language admission requirement.

**Graduation**

- Students pursuing the B.A. degree must demonstrate proficiency in a foreign language equivalent to one year. ASL I, II, and III can be used to fulfill this requirement.

**8. Electives**

- Select 12 hours of electives. A minor or certificate is encouraged.

**9. Additional Requirements**

- None
10. Required Minors
- None

11. Departmental Exit Requirements
- A minimum grade of "B" in all graduate courses.
- A minimum overall GPA of 3.0 in the courses used to satisfy the major
- A passing score on the Communication Sciences and Disorders Undergraduate Competency Examination

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 120

Honors In Major
- Interested students should contact the undergraduate program coordinator.

Related Programs
- Health Services Administration
- Psychology
- Social Work
- Exceptional Student Education

Certificates
- Language Development and Disorders

Related Minors
- Exceptional Education
- Early Childhood Education
- Aging Studies
- Health Services Administration
- Interpersonal/Organizational Communication
- Linguistics
- Psychology
- Communication Sciences and Disorders

Advising Notes
- None

Transfer Notes
- "D" (1.0) grades are not accepted
- Courses taken at community college do not substitute for Upper Division courses
- Courses transferred from private and out-of-state schools must be evaluated for equivalency credit. The student must provide all supporting information.
- Students may take STA 2014C or STA 2023 to fulfill the first part of the statistics requirement

Acceptable Substitutes for Transfer Courses
- None

Shared Courses (18 hrs)
- SPA 6204 Articulation/Phonological Disorders 3 hrs
- SPA 6402 Preschool Language Disorders 3 hrs
- SPA 6403 School-Aged Language Disorders 3 hrs
- SPA 6410 Aphasias and Related Disorders 3 hrs
- SPA 6503C Entry-Level Clinical Practicum 3 hrs
- SPA 6605 Research in Communicative Disorders 3 hrs

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $17.50 per term
- Full-Time Student: $35.00 per term

Accelerated Undergraduate-Graduate Programs

Computer Engineering - Accelerated Undergraduate-Graduate Program (B.S.P.E. / M.S.P.E.)

College of Engineering and Computer Science
Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439
http://www.eecs.ucf.edu

E-mail: eecpe-grad@eecs.ucf.edu
Dr. Ronald DeMara
Diana Ashley
Phone: 407-823-3327

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 64 credit hours
- Completion of no more than 96 credit hours
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
- See Computer Engineering major in the catalog for track GEP requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (19 hrs)
- See Computer Engineering major in the catalog for the CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- Computer Engineering: Basic Core
  - EGN 1007C Engineering Concepts and Methods 1 hr
  - EGN 1006C Introduction to the Engineering Profession 1 hr

4. Core Requirements: Advanced Level (66 hrs)
- Computer Engineering: Advanced Core
  - EGN 3310 Engineering Analysis-Statics 3 hrs
  - STA 3032 Probability and Statistics for Engineers 3 hrs
  - EEL 4781 Computer Communication Networks 3 hrs
  - COP 4331C Processes for Object-Oriented Software Development 4 hrs

Select 1:
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

Courses Required for the Major (54 hrs)

COT 3100C Introduction to Discrete Structures 3 hrs
COP 3502C Computer Science I 3 hrs
COP 3503C Computer Science II 4 hrs
COP 3330 Object Oriented Programming 3 hrs
COP 4331C Processes for Object-Oriented Software Development 4 hrs
EEL 3004 Electrical Networks 3 hrs
EEL 3123C Networks and Systems 3 hrs
ECE 3307C Electronics I 3 hrs
ECE 3342C Digital Systems 3 hrs
EEL 3801C Computer Organization 3 hrs
EEL 4742C Embedded Systems 4 hrs
EEL 4768C Computer Architecture 4 hrs
EEL 4781 Computer Communication Networks 3 hrs
COP 4600 Operating Systems 3 hrs

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
Accelerated Undergraduate-Graduate Programs

7. Foreign Language Requirements
   Admissions
   ■ Two years of one foreign language in high school, or one year of
     one foreign language in college (or equivalent proficiency exam) prior to
     graduation.
   Graduation
   ■ None

8. Electives
   ■ None

9. Additional Requirements
   ■ None

10. Required Minors
    ■ None

11. Departmental Exit Requirements
    ■ CECS encourages all engineering students to take the
      Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements
    ■ A 2.0 UCF GPA
    ■ 60 semester hours earned after CLEP awarded
    ■ 48 semester hours of upper division credit completed
    ■ 30 of the last 39 hours of course work must be completed in resi-
      dency at UCF
    ■ A maximum of 45 hours of extension, correspondence, CLEP, Credit
      by Exam, and Armed Forces credits permitted.
    ■ Complete the General Education Program, the Gordon Rule, the
      CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
■ 128

Total Combined Hours Required
■ 152

Honors In Major
■ None

Related Programs
■ Computer Science
■ Electrical Engineering
■ Information Technology
■ Mathematics - Engineering/Physics Track
■ Physics

Certificates
■ None

Related Minors
■ Information Technology
■ Computer Science
■ Intelligent Robotic Systems (IRS) - Interdisciplinary
■ Engineering Leadership

Advising Notes
■ The following will be waived for this joint degree program:
  ■ The limit of nine hours to be shared between undergraduate and
    graduate programs.
  ■ Undergraduate students taking graduate courses must be within
    nine hours of graduation
  ■ Undergraduate students taking graduate courses must not register
    for more than a total of twelve hours in that semester
  ■ Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
■ None

Acceptable Substitutes for Transfer Courses
■ None

Shared Courses
(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.

Graduate Courses Link
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes)
  for undergraduate programs are located at:
  http://www.eecs.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $45 per term
■ Full-Time Student: $90 per term

Computer Science - Accelerated Undergraduate-
Graduate Program (B.S. / M.S.)
College of Engineering and Computer Science
Department of Electrical Engineering and Computer
Science, Harris Corp. Engineering Center, Room: 437
http://www.eecs.ucf.edu
Dr. Hassan Foroosh, foroosh@eecs.ucf.edu
Diane Ashley, eecpe-grad@eecs.ucf.edu
Phone: 407-823-3327

Admission Requirements
■ See Common Program Prerequisites.
■ Qualified students may apply after completion of a minimum of 60
  credit hours and successful completion of the Foundation Exam.
■ Completion of no more than 90 credit hours.
■ Completion of the GRE with a highly competitive score by the end of
  first semester of the senior year for continuation in the program.
■ Admission is not automatic. Interested students may need to be
  interviewed.

Degree Requirements
■ None

1. UCF General Education Program (GEP) (39 hrs)
■ See Computer Science major in the catalog for track specific GEP
  requirements.

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP) (17 hrs)
■ See Computer Science major in the catalog for the CPP require-
  ments.

3. Core Requirements: Basic Level (25 hrs)
■ STA 2023  Statistical Methods I  GEP
■ COP 3330  Object Oriented Programming  3 hrs
■ COP 3502C Computer Science I  3 hrs
■ COP 3503C Computer Science II  4 hrs
■ ENC 3241 Writing for the Technical Professional  3 hrs
■ CDA 3103  Computer Logic and Organization  3 hrs
■ COT 3100C Introduction to Discrete Structures  3 hrs
■ CIS 3360  Security in Computing  3 hrs
■ COP 3402  Systems Software  3 hrs
■ COT 3960  CS Foundation Exam  0 hrs

4. Core Requirements: Advanced Level (20 hrs)
■ A “C” (2.0) or better is required in all courses listed. Students must
  maintain at least a 2.5 GPA in the following courses. Only the highest
  grade is used in the calculation.
■ COP 4331C Processes for Object-Oriented Software Development  4 hrs
■ EEL 4768C Computer Architecture  4 hrs
■ COT 4210 Discrete Structures II  3 hrs
■ COP 4020 Programming Languages I  3 hrs
■ COP 4690 Operating Systems  3 hrs
■ COP 4810 Topics in Computer Science  3 hrs

5. Restricted Electives (15 hrs)
5000 level Computer Science courses 9 hrs
■ Must be offered by Computer Science at UCF. At most 3 hours of
  independent study allowed. No internship or cooperative education cred-
  its are allowed. Approved IT courses offered by Computer Science may
  also be used toward this requirement (3 credits).

4000-5000 level mathematics or statistics 6 hrs
■ courses from: STA, MAP, MAA, MAD, MAS prefixes and the follow-
  ing courses.
■ No independent study hours, internship, or cooperative education
  hours are allowed.
■ MAC 2313  Calculus with Analytic Geometry III  4 hrs
■ MAP 2302  Differential Equations  3 hrs

UNIVERSITY OF CENTRAL FLORIDA
**Accelerated Undergraduate-Graduate Programs**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<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**
- Admissions: Two years high school, or one year college language (or equivalent proficiency exam) prior to graduation.
- Graduation: Proficiency exam in a second language, one semester of college level Foreign Language, or 3 credits of multicultural courses approved by Computer Science.

**8. Electives**
- Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

**9. Additional Requirements**
- None

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Complete an exit survey
- Computer Competency met by completion of major

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Undergraduate Hours Required**
- 120

**Total Combined Hours Required**
- 138

**Honors In Major**
- None

**Related Programs**
- Computer Engineering
- Information Technology

**Certificates**
- None

**Related Minors**
- Information Technology
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Secure Computing and Networks
- Interdisciplinary Informatics Technology

**Advising Notes**
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

**Transfer Notes**
- None

**Acceptable Substitutes for Transfer Courses**
- None

**Shared Courses**
- Up to 12 credit hours of approved 5000 or 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either restricted elective or course requirements for the major. Contact the Graduate Coordinator in the Computer Science department for a list of acceptable courses.

**Graduate Courses Link**
- None

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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)

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Electrical Engineering - Accelerated Undergraduate-Graduate Program (B.S.E.E. / M.S.E.E.)**

**College of Engineering and Computer Science**
**Department of Electrical Engineering and Computer Science, Harris Corp. Engineering Center, Room: 439**
[http://www.eecs.ucf.edu](http://www.eecs.ucf.edu)

Dr. Ronald DeMara, demara@eecs.ucf.edu
Diana Ashley, eecep@eecs.ucf.edu
Phone: 407-823-3327

**Admission Requirements**
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students must be interviewed.

**Degree Requirements**
- None

1. **UCF General Education Program (GEP)**
   - (38 hrs)
   - See Electrical Engineering major in the catalog for specific GEP requirements.
   - A: Communication Foundations
   - B: Cultural & Historical Foundations
   - C: Mathematical Foundations
   - D: Social Foundations
   - E: Science Foundations

2. **Common Program Prerequisites (CPP)**
   - (19 hrs)
   - See Electrical Engineering major in the catalog for CPP requirements.

3. **Core Requirements: Basic Level**
   - (2 hrs)
   - Engineering Core: Basic
     - EGN 1007C: 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
     - 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
     - STA 3032 Probability and Statistics for Engineers GEP
     - PHY 3101 Physics for Engineers and Scientists III 3 hrs
     - Select 1: 3 hrs
       - EGN 3321: Engineering Analysis-Dynamics or 3 hrs
       - EGN 3358 Thermo-Fluids-Heat Transfer 3 hrs

5. **Courses Required for the Major**
   - (41 hrs)
   - EEL 3004 Electrical Networks 3 hrs
   - EEL 3123C: Networks and Systems 4 hrs
   - EEE 3350: Semiconductor Devices I 3 hrs
   - EEE 3307C: Electronics I 4 hrs
   - EEE 3342C: Digital Systems 3 hrs
   - EEL 3470 Electromagnetic Fields 3 hrs
   - EEL 3552C: Analog and Digital Communication Fundamentals 4 hrs
   - EEL 3657 Linear Control Systems 3 hrs
   - EEL 3801C: Computer Organization 3 hrs
Accelerated Undergraduate-Graduate Programs

EEE 4309C  Electronics II  4 hrs
EEL 4750  Digital Signal Processing Fundamentals  3 hrs
EEL 4742C  Embedded Systems  4 hrs

5. Restricted Electives  (10 hrs)

- Technical electives should be taken at the 5000 level and are available in the BSEE program to address specific student interests in a variety of technical areas. Students should consult with their academic advisor for the identification of courses which are approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements  (6 hrs)

- EEL 4914  Senior Design I  3 hrs
- EEL 4915L Senior Design II  3 hrs

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation

- None

8. Electives

- None

9. Additional Requirements

- None

10. Required Minors

- None

11. Departmental Exit Requirements

- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required

- 128

Total Combined Hours Required

- 146

Honors in Major

- None

Related Programs

- Computer Engineering
- Computer Science
- Mathematics - Engineering/Physics Track
- Physics

Certificates

- None

Related Minors

- Engineering Leadership
- Intelligent Robotic Systems (IRS) - Interdisciplinary
- Mathematics
- Physics

Advising Notes

- The following will be waived for this joint degree program:
- The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
- Undergraduate students are not eligible to take 6000-level courses

Transfer Notes

- None

Acceptable Substitutes for Transfer Courses

- None

Shared Courses

- Up to 12 credit hours of approved 5000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees.

These 12 credit hours will meet either technical elective or course requirements for the major. Contact the EE/CpE Graduate Coordinator in the School of Electrical Engineering & Computer Science for acceptable courses.

Graduate Courses Link

- None

Program Academic Learning Compacts

- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees

- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

History - Accelerated Undergraduate-Graduate Program (B.A / M.A.)

College of Arts and Humanities

Department of History, Colbourn Hall, Room: 551
http://www.history.cah.ucf.edu/
E-mail: Graduate program: hisgrad@mail.ucf.edu
E-mail: Undergraduate program: history@mail.ucf.edu
Dr. Rosalind Beiler, 407-823-2225
Phone: 407-823-2225

Purpose of this degree - This program allows highly qualified undergraduate majors in history to begin taking graduate-level courses which will count towards their master's degree while completing their baccalaureate degree program. Participation will enable completion of a B.A. and M.A. in a shorter period of time for students enrolled in full-time course work.

Admission Requirements

- Students apply for admission to the accelerated program toward the end of their junior year or after 12 hours of upper-level history course work.
- A 3.5 GPA or better in history courses and a 3.25 overall GPA or better.
- Graduate Record Exam (GRE) combined score of 1050 on both the verbal and quantitative sections of the exam and a score of at least 550 on the verbal section.
- Completion of a graduate application, including an essay indicating reasons for desiring to complete the accelerated program, and three letters of recommendation from History Department faculty to be submitted to the History Department.
- Students will be formally admitted to the master’s program following receipt of the B.A. degree.

Degree Requirements

- Students who change degree programs and select this major must adopt the most current catalog.
- Students must earn at least a “B” (3.0) in each history course for it to be counted toward the major.
- Co-op credit cannot be used in this major.
- Students should consult with the departmental graduate director.
- Departmental residency requirement consists of at least 18 semester hours of regularly scheduled 3000-4000 level courses taken from the UCF History Department. Students may substitute up to nine hours of 5000- or 6000- level courses to meet this requirement.
- Students must compile a portfolio of 8-12 examples of graded, written work from UCF History classes.
- The B.A. will be awarded after completion of 36 hours of history classes.
- The M.A. will be awarded upon completion of the program.
- Courses designated in 1 (General Education Program) and 2 (Common Program Prerequisites) are usually completed in the first 60 hours (see history major requirements).

1. UCF General Education Program (GEP)  (36 hrs)
- See the History major in this catalog for track specific GEP requirements
Accelerated Undergraduate-Graduate Programs

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP)
   - See "Common Prerequisites" in the Transfer and Transitions Services section for more information.

First Semester:
- AMH 2010  U.S. History: 1492-1877  GEP
- AMH 2020  U.S. History: 1877-Present  GEP

2 See Transfer Notes for possible substitutes

3. Core Requirements: Basic Level  (6 hrs)
   Select one of the following sequences of courses:

   EUH 2000  Western Civilization I and EUH 2001  Western Civilization II  3 hrs
   or
   WOH 2012  World Civilization I and WOH 2022  World Civilization II  3 hrs

4. Core Requirements: Advanced Level  (3 hrs)
   HIS 4150  History and Historians  3 hrs

5. Restricted Electives  (21 hrs)
   - Must be taken within the History Department
   - Select six hours of approved history courses within three of the four geographic regions:
     - Asian, African, and Middle Eastern
     - British and European
     - Latin American
     - U.S. and Canadian
   - Students may substitute nine hours of 5000- or 6000-level course work for 3000- or 4000-level courses

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Met by graduation requirement.
   - Graduation
     - Proficiency equivalent to one year of college instruction in a foreign language taught by the Department of Modern Languages and Literatures or Judaic Studies. Standardized examinations for foreign language may be used to meet the requirement. Majors who are participating in the accelerated program should complete two years of a foreign language, preferably one functional in their area of historical interest. Students may take the department’s M.A. foreign language proficiency exam immediately following the completion of their foreign language course work.

8. Electives
   - Select primarily from upper level courses after meeting with a departmental advisor. Courses may be outside the department.

9. Additional Requirements

   Graduate Degree Requirements
   - The graduate requirements listed in the Graduate Catalog take precedence over those listed below.
   - Students admitted to the accelerated program may take a 5000-level course the first semester of their senior year.
   - After successfully completing one 5000-level course, students will be eligible to take HIS 6159 (Historiography) and another 5000-level course or the 6000-level seminar following the 5000-level colloquium they have already completed.
   - Students may substitute these nine hours of graduate-level work for 9 hours of 3000- or 4000-level undergraduate courses.
   - Students need to pay fees at the graduate rate for the graduate courses they take.

Schedule for students enrolled full-time in the accelerated program:
   - Students complete nine hours of graduate-level courses their senior year.
   - Students enroll in at least three hours of graduate-level course work the summer after they receive their B.A.

- Students enroll in nine hours of graduate-level courses in both spring and fall semesters during their M.A. year.
- Students complete the Capstone course, pass their preliminary exams, and fulfill their foreign language requirement by the end of their first M.A. year.
- Students complete and defend a master’s thesis in six hours.

10. Required Minors
    - None

11. Departmental Exit Requirements
    - Maintain a minimum GPA of 3.5 in upper division required courses attempted.
    - Submit a portfolio during the semester of graduation. The portfolio will include representative samples of the student’s written work including, but not limited to, book critiques, in-class essay exams, and term papers.
    - Students must complete at least 18 of the required 36 history hours at UCF.
    - Computer competency met by completion of the major.

12. University Minimum Exit Requirements
    - A 2.0 UCF GPA
    - 60 semester hours earned after CLEP awarded
    - 48 semester hours of upper division credit completed
    - 30 of the last 39 hours of course work must be completed in residency at UCF
    - A maximum of 45 hours of extension, correspondence, CLEP, Credit By Exam, and Armed Forces credits permitted.
    - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required
- 120

Total Combined Hours Required
- 147

Honors In Major
- None

Related Programs
- Humanities
- Certificates
- None

Related Minors
- African American Studies
- American Studies
- Asian Studies
- American 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

Graduate Courses Link
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oelas.ucf.edu/alc/academic_learning_compacts.htm
Accelerated Undergraduate-Graduate Programs

Industrial Engineering - Accelerated
Undergraduate-Graduate Program (B.S.)
College of Engineering and Computer Science
Department of Industrial Engineering and Management Systems, Engineering II, Room: 312
http://www.ieems.ucf.edu/
Dr. William Thompson, william.thompson@ucf.edu, 407-823-2636
Phone: 407-823-2204

Admission Requirements
- See Common Program Prerequisites
- Qualified students may apply after completion of a minimum of 60 credit hours
- Completion of the GRE with a highly competitive score by the end of the junior year
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
- None

1. UCF General Education Program (GEP) (38 hrs)
   - See Industrial Engineering major is the Catalog for track specific GEP requirements.

A: Communication Foundations (9 hrs)
B: Cultural & Historical Foundations (9 hrs)
C: Mathematical Foundations (7 hrs)
D: Social Foundations (6 hrs)
E: Science Foundations (7 hrs)

2. Common Program Prerequisites (CPP) (19 hrs)
   - See Industrial Engineering major in the Catalog for the CPP requirements.
   - See “Common Prerequisites” in the Transfer and Transitions section for more information.

3. Core Requirements: Basic Level (60 hrs)
   - Industrial Engineering Core: Basic (2 hrs)
     - The College of Engineering and Computer Science requires all engineering students to achieve a minimum 2.250 GPA in completing the core courses required for the major, together with the restricted electives and senior design courses listed below.
   - EGN 1006C Introduction to the Engineering Profession 1 hr
   - EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (58 hrs)
   - Courses Required for the Major (58 hrs)
     - Graduate courses used to complete the Accelerated BS to MS will vary depending on the MS track the student chooses. Courses will be chosen in consultation with the graduate advisor. The courses listed in this example are relevant to the Engineering Management MS. A “C” (2.0) or better is required in all courses listed in this section with a prefix of EIN, ESI or STA. A “B” (3.0) or better is required for 5000/6000 level courses to be transferred for graduate credit.

   1 COP 3223 Introduction to Programming with C 3 hrs
   2 EIN 3001 Introduction to Industrial Engineering and Management Systems 3 hrs
   3 EIN 3031 Work Analysis and Design 3 hrs
   3 EIN 3032 Production and Distribution Systems 3 hrs
   3 EIN 3034 Facilities Management 3 hrs
   3 EIN 3035 Manufacturing Engineering 3 hrs
   4 EIN 3045 Systems Engineering 3 hrs
   4 EIN 3046 Human Engineering 3 hrs
   4 EIN 3047 Empirical Methods for Industrial Engineering 3 hrs
   4 EIN 3048 Industrial Engineering Applications of Computers 3 hrs
   5 EIN 3049 Quality Engineering 3 hrs
   5 ESI 3036 Operations Research 3 hrs
   5 ESI 3037 Discrete Systems Simulation 3 hrs
   5 ESI 3038 Industrial Engineering Applications of Computers 3 hrs
   5 ESI 3039 Quality Engineering 3 hrs
   5 ESI 3040 Operations Research 3 hrs
   5 ESI 3041 Discrete Systems Simulation 3 hrs
   5 ESI 3042 Industrial Engineering Applications of Computers 3 hrs

Select 1:
EGN 3358 Thermodynamics 3 hrs
EGN 3359 Thermo-Fluids-Heat Transfer or Fluids 3 hrs

1 Courses with significant programming content in C, C++ or Java may be used to satisfy this requirement but must be approved by the IEEMS undergraduate coordinator.

2 Substitute for ESI 4523C
3 Substitute for ESI 4517

5. Restricted Electives (4 hrs)
   - Three (3) hours of technical electives should be taken at the 5000 or 6000 level and are available in the BSIE program to address specific student interests in a variety of technical areas. Students should consult with their assigned academic advisor for a list of the approved technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
   - Graduation
     - None
   - Electives
     - None
   - Additional Requirements
     - None
   - Required Minors
     - None

11. Departmental Exit Requirements
   - EIN 4516C Systems Analysis and Design 3 hrs
   - EIN 4891C Industrial Engineering Senior Design Project 3 hrs

12. University Minimum Exit Requirements
   - A 2.0 UCF GPA
   - 60 semester hours earned after CLEP awarded
   - 48 semester hours of upper division credit completed
   - 30 of the last 39 hours of course work must be completed in 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
- None Certificates
- None Related Minors
- None Advising Notes
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
  - Undergraduate students taking graduate courses must be within nine hours of graduation
  - Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester
  - Undergraduate students are not eligible to take 6000-level courses

Transfer Notes
- None Acceptable Substitutes for Transfer Courses
- None
Shared Courses
- Up to 12 credit hours of approved 5000 and 6000 level courses of grades B (3.0) or better may be counted towards the BS and Masters degrees. These 12 credit hours will meet either technical elective or course requirements for the major. The 5000 level courses listed in the plan above are examples. Contact the Graduate Coordinator in the Industrial Engineering and Management Systems department for a list of acceptable courses.

Graduate Courses Link
None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

Mechanical Engineering - Accelerated Undergraduate-Graduate Program (B.S.)
College of Engineering and Computer Science
Department of Mechanical, Materials, and Aerospace Engineering, Engineering, Room: 307
http://www.mmae.ucf.edu
Dr. Alan Kassab, alan.kassab@ucf.edu, 407-823-5778
Dr. Kuo-Chi Lin, kuo-chi.lin@ucf.edu, 407-823-0137
Phone: 407-823-2416

Admission Requirements
- See Common Program Prerequisites.
- Qualified students may apply after completion of a minimum of 64 credit hours.
- Completion of no more than 96 credit hours.
- Completion of the GRE with a highly competitive score by the end of first semester of the senior year.
- Admission is not automatic. Interested students may need to be interviewed.

Degree Requirements
None

1. UCF General Education Program (GEP) (38 hrs)
- See Mechanical Engineering major in the Catalog for track specific GEP requirements

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) (15 hrs)
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- See Mechanical Engineering major in the Catalog for CPP requirements.

3. Core Requirements: Basic Level (2 hrs)
- EGN 1006C Introduction to the Engineering Profession 1 hr
- EGN 1007C Engineering Concepts and Methods 1 hr

4. Core Requirements: Advanced Level (63 hrs)
- EGN 3310 Engineering Analysis-Statics 3 hrs
- EGN 3321 Engineering Analysis-Dynamics 3 hrs
- EGN 3343 Thermodynamics 3 hrs
- EGN 3385 Structure and Properties of Materials 3 hrs
- EGN 3373 Principles of Electrical Engineering 3 hrs
- STA 3023 Probability and Statistics for Engineers GEP
- EML 3034C Modeling Methods in Mechanical and Aerospace Engineering 3 hrs
- EML 3303C Mechanical Engineering Measurements 3 hrs
- EML 4312C Feedback Control 3 hrs
- EML 3500 Machine Design and Analysis 3 hrs
- EGM 3601 Solid Mechanics 3 hrs
- EML 3701 Fluid Mechanics I 3 hrs
- EML 4142 Heat Transfer 3 hrs
- EML 4223 Vibration Analysis 3 hrs
- EML 4535C CAD/CAM 3 hrs

5. Restricted Electives
- Technical electives should be taken at the 5000 or 6000 level and are available in the BSME program to address specific student interests in a variety of technical areas. Restricted electives are intended to ensure that all students have a significant design experience in both mechanical and thermofluids systems. Students should consult with their Department for a list of the approved restricted and technical electives and the terms when specific courses of this type are to be offered.

6. Capstone Requirements
None

7. Foreign Language Requirements
Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
None

8. Electives
None

9. Additional Requirements
None

10. Required Minors
None

11. Departmental Exit Requirements (6 hrs)
- CECS encourages all engineering students to take the Fundamentals Exam during their Senior year.

Select 1:
- EML 4501C Engineering Design I or 3 hrs
- EGN 4412C Interdisciplinary Design I 3 hrs

Select 1:
- EML 4502C Engineering Design II or 3 hrs
- EGN 4413C Interdisciplinary Design II 3 hrs

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in 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
**Accelerated Undergraduate-Graduate Programs**

**Total Combined Hours Required**
- 146

**Honors In Major**
- None

**Related Programs**
- None

**Certificates**
- None

**Related Minors**
- None

**Advising Notes**
- The following will be waived for this joint degree program:
  - The limit of nine hours to be shared between undergraduate and graduate programs.
- Undergraduate students taking graduate courses must be within nine hours of graduation.
- Undergraduate students taking graduate courses must not register for more than a total of twelve hours in that semester.
- Undergraduate students are not eligible to take 6000-level courses.

**Career and Academic Advising**

- The department requires all students in the program meet with a faculty member for advising on career and academic issues. These courses must be taken in sequence during the 3rd and 4th year.
- EML 3990 Mechanical Career and Academic Faculty 0 hrs Advising I
- EML 4991 Mechanical Career and Academic Faculty 0 hrs Advising II

**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.

**Graduate Courses Link**
- [http://www.graduatecatalog.ucf.edu/content/Courses.aspx](http://www.graduatecatalog.ucf.edu/content/Courses.aspx)

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: [http://www.oecs.ucf.edu/alcs/academic_learning_compacts.htm](http://www.oecs.ucf.edu/alcs/academic_learning_compacts.htm)

**Equipment Fees**
- Part-Time Student: $45 per term
- Full-Time Student: $90 per term

**Nursing - Accelerated Second Degree B.S.N. Option (B.S.N.)**

**College of Nursing**

**UTWR, Room: 3rd floor**
- [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu)
- E-mail: ucfnurse@mail.ucf.edu

Dr. Jean Leuner, Dean
Dr. Linda Hennig, Assoc. Dean Undergraduate
Patricia Leli, Undergraduate Coordinator
Phone: 407-823-2744

For individuals who are not Registered Nurses but who hold a baccalaureate or higher degree from a regionally accredited college or university. Graduates are eligible to take the National Council Licensure Examination for registered nurses (NCLEX-RN). The program is accredited by the Commission on Collegiate Nursing Education (CCNE) and approved by the Florida State Board of Nursing.

**Admission Requirements**
- Acceptance to the university does not constitute admission to the upper division nursing program.

- Separate application to the limited access accelerated second degree Bachelor of Science in nursing (BSN) option must be made directly to the College of Nursing prior to the posted deadline of the year of admission is sought. For application deadlines, please visit [http://www.nursing.ucf.edu/](http://www.nursing.ucf.edu/).
- Application to the university must also be submitted by the program application deadline.
- Students who have never attended the University of Central Florida as degree seeking undergraduate students must apply to the Undergraduate Admissions Office as a second degree-seeking student.
- Students who have attended the University of Central Florida as degree seeking undergraduate students should apply through the Registrar’s Office. These students complete the “Readmission Application” form.
- Students must receive a baccalaureate or higher degree from a regionally accredited college or university prior to the start of the program.
- All applicants must have a minimum overall GPA of 3.0.
- Applicants are encouraged to attend an information session, prior to submitting the application.
- Criminal background checks are required for all conditionally admitted or waitlisted students for all undergraduate nursing degrees. The results are reviewed as part of the final admission process and may be grounds for denying a student admission to the College of Nursing.
- Failure to disclose related information on an application may negate the application.
- A standardized test and predetermined cutoff score will be required for acceptance to the College of Nursing. Information regarding this test can be found at [http://www.nursing.ucf.edu](http://www.nursing.ucf.edu).
- At least seven (7) of the eight (8) common program prerequisites must be completed by the program application deadline. This includes 3 courses from Group A and the remainder from Groups A or B.

**Group A**
- grade of C (2.0) or better
- Microbiology with Lab 4 hrs
- Anatomy with Lab 4 hrs
- Physiology with Lab (or A&P I, II) 4 hrs
- CHM 1032 General Chemistry 3 hrs
- or other approved Life/Physical Science

**Group B**
- grade of C (2.0) or better
- Sociology or 3 hrs
- Psychology 3 hrs
- Developmental Psychology 3 hrs
- Human Nutrition 3 hrs
- Statistics 3 hrs

**Degree Requirements**
- Students who change degree programs and select this major must adopt the most current catalog year, including any minors.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- A minimum overall GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation and graduation from the nursing program.
- UCF Residency requirement: 30 hours (if applicable)
- 1. UCF General Education Program (GEP)
  - A: Communication Foundations
  - B: Cultural & Historical Foundations
  - C: Mathematical Foundations
  - D: Social Foundations
  - E: Science Foundations

**2. Common Program Prerequisites (CPP) (27 hrs)**
- See "Common Prerequisites" in the Transfer and Transitions Services section for more information. Any variation from the stated prerequisites must be approved in writing by the College of Nursing. Petition forms are available in the College of Nursing office.
- 1 MCB Microbiology for Health Professionals 4 hrs
- 2 CHM 1032 General Chemistry 3 hrs
- 1 ZOO Human Anatomy 4 hrs
- 3733C
Accelerated Undergraduate-Graduate Programs

1. **PCB 3703C** Human Physiology 4 hrs
2. **HUN 3011** Human Nutrition 3 hrs

**Select 1:**
- **STA 2014C** Principles of Statistics or **STA 2023** Statistical Methods I 3 hrs
- **Select 1:**
  - **SOW 3104** Assessing I: Human Development or **DEP 2004C** Developmental Psychology 3 hrs

**Select 1:**
- **PSY 2012** General Psychology or **SYG 2000** Introduction to Sociology 3 hrs


1. Nursing.
   - **NUR 3065** Health Assessment 2 hrs
   - **NUR 3065L** Health Assessment Lab 1 hr
   - **NUR 3825** The Role of the Professional Nurse 3 hrs
   - **NUR 3028** Essentials of Nursing Practice 2 hrs
   - **NUR 3028L** Essentials of Nursing Practice Lab 1 hr
   - **NUR 3755L** Essentials of Nursing Practice Clinical 2 hrs
   - **NUR 3934** Community Health Nursing 3 hrs
   - **NUR 3634** Community Health Nursing Clinical 2 hrs
   - **NUR 3125** Pathophysiology for Nursing Practice 3 hrs
   - **NUR 3145** Pharmacology for Nursing Practice 3 hrs
   - **NUR 3225** Nursing Care of the Adult I 3 hrs
   - **NUR 3225L** Nursing Care of the Adult I: Clinical Practice 2 hrs
   - **NUR 3445** Nursing Care of Families 3 hrs
   - **NUR 3445L** Nursing Care of Families Clinical 2 hrs
   - **NUR 3167** Accelerated Nursing Research Seminar 1 hr
   - **NUR 4227** Nursing Care of the Adult II 4 hrs
   - **NUR 4227L** Nursing Care of the Adult II: Clinical Practice 3 hrs
   - **NUR 4829** Accelerated Transitioning into Professional Practice as a Leader 3 hrs
   - **NUR 4257** Introduction to Critical Care Nursing 3 hrs
   - **NUR 4945L** Nursing Practicum 4 hrs
   - **NUR 4535** Psychiatric Mental Health Nursing 3 hrs
   - **NUR 4535L** Psychiatric Mental Health Clinical 2 hrs
   - **NUR 4637** Public Health Nursing 2 hrs
   - **NUR 4637L** Public Health Nursing Clinical 1 hr
   - **NUR 3825** Accelerated Nursing Research Seminar 1 hr
   - **NUR 3167** Accelerated Nursing Research Seminar 1 hr
   - **NUR 4227** Nursing Care of the Adult II 4 hrs
   - **NUR 4227L** Nursing Care of the Adult II: Clinical Practice 3 hrs
   - **NUR 4829** Accelerated Transitioning into Professional Practice as a Leader 3 hrs
   - **NUR 4257** Introduction to Critical Care Nursing 3 hrs
   - **NUR 4945L** Nursing Practicum 4 hrs
   - **NUR 4535** Psychiatric Mental Health Nursing 3 hrs
   - **NUR 4535L** Psychiatric Mental Health Clinical 2 hrs
   - **NUR 4637** Public Health Nursing 2 hrs
   - **NUR 4637L** Public Health Nursing Clinical 1 hr

1. Students without a research course on transcript must take NUR 3165 (3 hrs)

**5. Restricted Electives** (3 hrs)
- **Nursing Elective** 3 hrs

- Students may petition the undergraduate Admission, Progression and Graduation (APG) committee to substitute elective requirement

**6. Capstone Requirements**
- None

**7. Foreign Language Requirements**

- **Admissions**
  - None

- **Graduation**
  - None

**8. Electives**
- None

**9. Additional Requirements**
- Mandatory Drug Screening is required prior to any clinical course and "on demand" for continuation in the program.
  - Complete all courses in major with at least a "C" (2.0)
  - Maintain a UCF GPA of 2.5 or above
  - Maintain a College of Nursing GPA of 2.5 or above

**10. Required Minors**
- None

**11. Departmental Exit Requirements**
- Completion of all courses in major with a grade of "C" (2.0) or better
- UCF GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

1. science prerequisite
2. or other approved physical or life science prerequisite

**3. Core Requirements: Basic Level**
- None

**4. Core Requirements: Advanced Level** (57 hrs)
- Any variation from the following must be approved by the College of Nursing.
- **NUR 3065** Health Assessment 2 hrs
- **NUR 3065L** Health Assessment Lab 1 hr
- **NUR 3825** The Role of the Professional Nurse 3 hrs
- **NUR 3028** Essentials of Nursing Practice 2 hrs
- **NUR 3028L** Essentials of Nursing Practice Lab 1 hr
- **NUR 3755L** Essentials of Nursing Practice Clinical 2 hrs
- **NUR 3934** Community Health Nursing 3 hrs
- **NUR 3634** Community Health Nursing Clinical 2 hrs
- **NUR 3125** Pathophysiology for Nursing Practice 3 hrs
- **NUR 3145** Pharmacology for Nursing Practice 3 hrs
- **NUR 3225** Nursing Care of the Adult I 3 hrs
- **NUR 3225L** Nursing Care of the Adult I: Clinical Practice 2 hrs
- **NUR 3445** Nursing Care of Families 3 hrs
- **NUR 3445L** Nursing Care of Families Clinical 2 hrs
- **NUR 3167** Accelerated Nursing Research Seminar 1 hr
- **NUR 4227** Nursing Care of the Adult II 4 hrs
- **NUR 4227L** Nursing Care of the Adult II: Clinical Practice 3 hrs
- **NUR 4829** Accelerated Transitioning into Professional Practice as a Leader 3 hrs
- **NUR 4257** Introduction to Critical Care Nursing 3 hrs
- **NUR 4945L** Nursing Practicum 4 hrs
- **NUR 4535** Psychiatric Mental Health Nursing 3 hrs
- **NUR 4535L** Psychiatric Mental Health Clinical 2 hrs
- **NUR 4637** Public Health Nursing 2 hrs
- **NUR 4637L** Public Health Nursing Clinical 1 hr

**12. University Minimum Exit Requirements**
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, 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**
- 57

**Honors in Major**
- University Honors and Honors in the Major Available
- Open to students with a minimum 3.5 GPA in Nursing.
- Completion of a three credit directed readings course.
- Completion of a three credit thesis course.
- Must earn a minimum cumulative UCF 3.2 GPA.
- Completion of 60 semester hours of college credit, including 12 graded upper division hours at UCF.

**Related Programs**
- Health Services Administration
- Social Work

**Certificates**
- None

**Related Minors**
- Aging Studies
- Psychology
- Health Sciences
- Health Services Administration

**Advising Notes**
- None

**Transfer Notes**
- General Psychology (PSY X012) or any General Psychology course (3 hrs)
- General Sociology (SYG 2000) or any Intro to Sociology course (3 hrs)
- Statistics (STA 2014C or 2023)
- General Chemistry (CHM 1032 or any other approved chemistry course (3 hrs) or physical or life science course (3 hrs) or
- Human Anatomy and Physiology I & II w/lab (BSC 2093/2094 or
- 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 (3 hrs)
- Human Nutrition with Therapeutic Nutrition (3 hrs)

**Acceptable Substitutes for Transfer Courses**
- None

**Shared Courses**
- None

**Graduate Courses Link**
- None

**Program Academic Learning Compacts**
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  - http://www.oenas.ucf.edu/alc/academic_learning_compacts.htm

**Equipment Fees**
- Part-Time Student: $25 per term
- Full-Time Student: $50 per term

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**UNIVERSITY OF CENTRAL FLORIDA**

391 Undergraduate Catalog 2011-2012
Accelerated Undergraduate-Graduate Programs

Nursing - R.N. to M.S.N. Option (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu/
E-mail: ucfnurse@mail.ucf.edu
Stephen Heglund, RN to MSN Coordinator
Dr. Jean Leuner, Dean
Dr. Linda Henrig, Assoc. Dean Undergraduate
Dr. Susan Chase, Assoc. Dean Graduate
Phone: 407-823-2744

An accelerated program for students who hold an RN license and meet general education requirements, nursing pre-requisites, and required GPA. All courses are available online. Available for the following tracks in the graduate program: Nursing Leadership and Management, Clinical Nurse Leader, and Nurse Educator. Nine (9) graduate credit hours may be applied to meet requirements of both BSN and MSN programs.

Admission Requirements
- Acceptance to the university does not constitute admission to the RN-MSN program. Separate application to this limited access program must be made. Contact the College of Nursing or visit our website at http://www.nursing.ucf.edu for application materials.
- All applicants must meet the following criteria:
  1. Graduate of a state-approved or accredited associate degree or diploma nursing program
  2. Licensure as a Registered Nurse (RN)
  3. Completion of UCF general education requirements or an AA degree from a Florida community or state college, including CLAS (or exempt)
  4. Completion of prerequisites for the RN to MSN nursing program
  5. Minimum cumulative GPA of 3.0. (all prior college coursework)
  6. Admitted to UCF undergraduate program
  7. Two professional references addressing qualifications and ability to succeed in graduate school
  8. A current resume
  9. Letter of Intent/Goal statement

Interim Requirements:
- Maintain a Nursing GPA of 3.0

Admission Requirements for Graduate Program Phase:
- These requirements should be met one semester before the BSN is awarded.
- Application to and acceptance by UCF Graduate Studies (see Graduate Studies website for deadlines)
- Completion of all UCF College of Nursing coursework to date with a minimum GPA of 3.0
- An updated resume

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog year, including minors.
- Students should consult with a college advisor or community college AA transfer advisor regarding completion of General Education requirements and the Common Program Prerequisites.
- Students should consult with an advisor in the College of Nursing Undergraduate Student Services Office for clarification of questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida Community or State College or other universities
- UCF Residency Requirement: 30 hours
- The BSN is awarded after completion of 120 hours including 30 hours of specified program requirements
- The MSN is awarded after program completion
- The courses designated in sections 1 (General Education) and 2 (Common Program Prerequisites) should be completed in the first 60 hours
- An individualized plan of study is developed for each student admitted to the RN to MSN option.

1. UCF General Education Program (GEP) (36 hrs)

A. Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Prefer SPC 1608 Fundamentals of Oral Communication 3 hrs

B. Cultural & Historical Foundations (9 hrs)
- Preferred MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C. Mathematical Foundations (6 hrs)
- Preferred MAC 2233C Calculus I 3 hrs
- Preferred STA 2023C Introduction to Probability & Statistics 3 hrs

D. Social Foundations (6 hrs)
- Preferred SOC 1010A Introduction to Sociology 3 hrs
- Preferred SOC 2000A Social Psychology 3 hrs

2. UCF science program requirements (18 hrs)
- Choose one track:
  1. Biomedical Track:
     - MCB 2004C Microbiology for Health Professionals 4 hrs
     - CHM 1032 General Chemistry 3 hrs
     - DEP 2004C Developmental Psychology 3 hrs
     - HUN 3011 Human Nutrition 3 hrs
  2. Biobehavioral Track:
     - MCB 2004C Microbiology for Health Professionals 4 hrs
     - CHM 1032 General Chemistry 3 hrs
     - DEP 2004C Developmental Psychology 3 hrs
     - HUN 3011 Human Nutrition 3 hrs

3. Core Requirements: Basic Level
- None

4. Core Requirements: Advanced Level (30 hrs)
- NUR 3805 Dimensions of Professional Nursing 3 hrs
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs
- NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
- NUR 4604L Practicum in Community and Public Health 4 hrs
- NUR 4637 Public Health Nursing 2 hrs

NURSE EDUCATOR/CLINICAL NURSE LEADER 12 hrs

TRACKS
- Take the following 12 credits (nine graduate credits also applied to MSN)
  1. UCF General Education Program (GEP) (36 hrs)
  2. UCF science program requirements (18 hrs)
  3. Core Requirements: Basic Level
  4. Core Requirements: Advanced Level (30 hrs)
NURSING LEADERSHIP & MANAGEMENT TRACK  12 hrs

- Takes the following 12 credits (nine graduate credits also applied to MSN)
- NGR 5720 Organizational Dynamics and 3 hrs
- NGR 5871 Health Care Informatics and 3 hrs
- NGR 5800 Theory for Advanced Practice Nursing and 3 hrs
- NUR 3065 Health Assessment and 2 hrs
- NUR 3065L Health Assessment Lab 1 hr

5. Restricted Electives

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

6. Capstone Requirements

- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam).

Graduation

- None

8. Electives

- Variable to meet degree requirements.

9. Additional Requirements

- A criminal background check and mandatory Drug Screening are required prior to any clinical course and “on demand” for continuation in the program.

10. Required Minors

- None

11. Departmental Exit Requirements

- Completion of all courses in major with a grade of “B” (3.0) or better
- Cumulative GPA of 2.5 or above
- College of Nursing GPA of 2.5 or above

12. University Minimum Exit Requirements

- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Undergraduate Hours Required

- 120

Honors In Major

- None

Related Programs

- Health Services Administration

Certificates

- Aging Studies

Related Minors

- Psychology
- Health Sciences
- Health Services Administration
- Health Information Management

Advising Notes

- Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.
The University offers five specialized degree programs for students who have graduated from a Florida public community college with an A.S. in the following programs: Applied Science, Criminal Justice Technology, Business Administration, Hospitality Management, and Nursing. Students who wish to transfer to UCF under the provisions of the statewide articulated A.S. to B.S. programs must meet specific criteria:

1. Students must graduate with the specific program and new A.S. in Fall 2000 or later, (Fall 2003 or later for Criminal Justice) from a Florida public community college or state college.

2. Students who have graduated with an A.S. prior to Fall 2000 are not eligible to participate in these programs. The pre-2000 community college A.S. programs have slightly different requirements. Students who do not have the new A.S. should complete their general education at the community or state college and then transfer into the appropriate non-A.S. to B.S. program at UCF.

3. Students may only transfer from the specific major to the specific major; e.g., Business Administration to General Business. One cannot, for example, transfer an A.S. in Business Administration to a B.S. in Accounting under this agreement.

4. Students should write on the front of their application for admission to UCF, "A.S. - B.A./B.S." or select the appropriate major on the on-line application, designating their desire to participate in the articulation agreement.

5. Students earning an Associate in Science have the option of completing the state approved general education program at a Florida community or state college or state university and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who chose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

6. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.

Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission.

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites.

Students are still required to complete all of the components of the Gordon Rule 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.

To earn a bachelor's degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.

Questions concerning the requirements of these majors should be referred to the appropriate academic department, Regional Campuses Director of Advising (407) 823-1509, or the Director of Transfer and Transition Services, (407) 823-2231.

STATEWIDE ARTICULATED A.S. TO B.S. PROGRAMS

**Applied Science (BAS) A.S. to B.S. Track (B.A.S.)**

**Office of Undergraduate Studies**

**Office of Interdisciplinary Studies, 12201 Research Parkway, Room: Suite 101**


Helen Hill, Director, Regional Campus Advising, 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 courses at the community or state college if necessary. Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to their graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 39 hours at UCF.

**1. UCF General Education Program (GEP)**

- Students will complete their remaining General Education courses after admission to UCF. The remaining courses will be determined in consideration of General Education courses completed as part of the articulated A.S. and will come from the following areas:
  - A: Communication Foundations (9 hrs)
  - B: Cultural & Historical Foundations (9 hrs)
  - C: Mathematical Foundations (6 hrs)
  - D: Social Foundations (6 hrs)
  - E: Science Foundations (6 hrs)

**2. Common Program Prerequisites (CPP)**

- None

**3. Core Requirements: Basic Level**

- 3 hrs

**Select 1:**

- 4 hrs

**Select 2:**

- 3 hrs

**4. Core Requirements: Advanced Level**

- None

**5. Restricted Electives**

- Area of Concentration (Choose one)
- All tracks are not available at all locations.

**Supervision and Administration Track**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>INP 3004C</td>
<td>Industrial/Organizational Psychology and Management for Non-Business Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAR 3023</td>
<td>Marketing and Management for Non-Business Majors and Employee Training for Non-Business Majors</td>
<td>4 hrs</td>
</tr>
<tr>
<td>MAN 3332</td>
<td>Essentials of Human Resource</td>
<td>3 hrs</td>
</tr>
<tr>
<td>MAN 3354</td>
<td>Employee Training for Non-Business Majors</td>
<td>3 hrs</td>
</tr>
<tr>
<td>AGC 3082</td>
<td>Accounting For Non-Business Majors and Restricted Elective (Consult with Program Advisor)</td>
<td>3 hrs</td>
</tr>
</tbody>
</table>

**6. Students with an Associate in Applied Science (A.A.S.) degree are not eligible for participation in these programs unless they also have the appropriate A.S. degree.**

**Applicants who qualify for this program are not guaranteed admission to the limited access program in Nursing or programs that require specific grades in particular courses for admission.**

Students should consult with their community or state college advisor when pursuing one of these programs to make sure they have met all of the appropriate requirements for the degree, including the necessary General Education courses and common program prerequisites.

Students are still required to complete all of the components of the Gordon Rule 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. To earn a bachelor's degree, students must complete 36 hours of General Education Program.

Students admitted into these programs must meet the requirements as stated in the programs listed below. Students who change majors out of these programs must adopt the requirements of the most current catalog for the selected major, including the required UCF General Education Program.
### Transfer Notes

- **Admissions**
  - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.
  - Graduation
  - None
- **8. Electives**
  - None
- **9. Additional Requirements**
  - None
- **10. Required Minors**
  - None
- **11. Departmental Exit Requirements**
  - None
- **12. University Minimum Exit Requirements**
  - A 2.0 UCF GPA
  - 60 semester hours earned after CLEP awarded
  - 48 semester hours of upper division credit completed
  - 30 of the last 39 hours of course work must be completed in residency at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)
- **Total Semester Hours Required**
  - 120
- **Honors In Major**
  - None
- **Related Programs**
  - None
- **Certificates**
  - None
- **Related Minors**
  - None
- **Advising Notes**
  - None
- **Transfer Notes**
  - Students have the option of completing the state approved general education program at a Florida Community College or State University and must request an official transcript with "general education requirements met" on the transcript to be sent to the UCF Registrar prior to the student's graduating term from the University of Central Florida. Students who choose to complete their general education program at UCF must meet all of UCF's current course requirements. Students may not be transient in their last 30 of 36 hours at UCF.
  - Courses taken at community colleges do not substitute for upper division courses.
  - Orientation and advising are two of the most valuable tools that a student can use when transferring to UCF. Students should take advantage of both.

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### Industrial Operations Track
- **Take all of the following:** 21 hrs
  - ETI 3116 Applied Engineering Quality Assurance and 3 hrs
  - ETI 3671 Technical Economic Analysis and 3 hrs
  - ETI 4186 Applied Reliability and 3 hrs
  - ETI 4635 Technical Administration and 3 hrs
  - ETI 4640 Operations Management for Technologists and 3 hrs
  - ETI 4448 Applied Project Management and 3 hrs
  - CET 3010 Introduction to Information Technology 3 hrs

### Criminal Justice Track
- **Take all of the following:** 18 hrs
  - CCJ 3024 Criminal Justice System 3 hrs
  - CCJ 3014 Crime in America 3 hrs

### Legal Studies Track
- **Select 2:** 6 hrs
  - CJL 3510 Prosecution and Adjudication or 3 hrs
  - CJC 3010 Corrections and Penology or 3 hrs
  - CJE 4014 Police and Society 3 hrs

### Health Services Administration
- **Take all of the following:** 18 hrs
  - HSA 4180 Organization & Management for Health Agencies I and 3 hrs
  - HSA 4191 Health Care Automation and 3 hrs
  - HSC 4500 Epidemiology 3 hrs

### Early Childhood Education Track
- **Take all of the following:** 21 hrs
  - EEC 3700 Social and Emotional Development of Young Children 3 hrs
  - RED 3310 Early Reading, Writing and Language Arts 3 hrs
  - EEC 4268 Curriculum Activities in Early Childhood and 3 hrs
  - 1 EEC 4604 Classroom Management and Guidance of Young Children and
  - 1 EEX 4751 Parent Involvement in Education and
  - TSL 4080 Theory and Practice of Teaching ESOL 3 hrs
  - Students in Schools and
  - EEX 3450 Young Children With Special Needs 3 hrs

### Information Technology Track
- **Take all of the following:** 21 hrs
  - CET 3383 Applied Systems Analysis I and 3 hrs
  - CET 4427 Applied Database I and 3 hrs
  - ETI 4448 Applied Project Management and 3 hrs
  - CET 4748 Wide Area Networks I and 3 hrs
  - CET 4749 Wide Area Networks II and 3 hrs
  - CET 4683 Computer and Network Security and 3 hrs
  - CET 4483 Intro to Local Area Network Technology 3 hrs

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1. PR: CET 4483, and MAC 1105
2. PR: CJS 2008, and HSA 4180
3. PR: Object oriented programming course with COP prefix or equivalent or C.I.
Statewide Articulated A.S. To B.S. Programs

- All students seeking a baccalaureate degree from State of Florida Institution are required to satisfy the CLAS requirement. Transfer students with more than 60 semester hours who have not met the CLAS requirement may be admitted, but they must satisfy the CLAS requirement during their first semester at UCF.

Acceptable Substitutes for Transfer Courses
- None

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at: http://www.oeas.ucf.edu/alc/academic_learning_compacts.htm

General Business - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration
Department of Management, Business Administration
II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida public community college.

Criminal Justice - A.S. to B.S. Track (B.S.M.S.)
College of Health and Public Affairs
Department of Criminal Justice and Legal Studies, Health and Public Affairs, Room: 311
http://www.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 community college)

Admission Requirements
- Completion of a Statewide Articulated A.S. in Criminal Justice from a Florida public community college which is composed of 64 hours of course work, including at least 16 hours of transferable general education courses.

Degree Requirements
- Students who change degree programs and select this major must adopt the most current catalog.
- The courses designated in section 1 below may be taken at a Florida community college.
- Students must earn a minimum of 2.0 GPA in the core requirements and the restricted electives.

1. UCF General Education Program (GEP) (36 hrs)
   - Students will complete 18 hours of selected General Education courses. The specific courses will be determined in coordination with General Education courses completed as part of the articulated A.S. and come from the following areas:

A: Communication Foundations
B: Cultural & Historical Foundations
C: Mathematical Foundations
D: Social Foundations
E: Science Foundations

2. Common Program Prerequisites (CPP)
   - Completed as part of the approved A.S. program.
   - See “Common Prerequisites” in the Transfer and Transition Services section.

3. Core Requirements: Basic Level
   - None

4. Core Requirements: Advanced Level (18 hrs)
   - CCJ 3024 Criminal Justice System 3 hrs
   - CCJ 3014 Crime in America 3 hrs
   - CJL 3510 Prosecution and Adjudication 3 hrs
   - CJC 3010 Corrections and Penology 3 hrs
   - CJE 4014 Police and Society 3 hrs
   - CCJ 4701 Research Methods in Criminal Justice 3 hrs

5. Restricted Electives (30 hrs)
   - 27 additional semester hours of upper division CCJ course work. Seniors can satisfy up to six hours of this requirement with internship and up to six hours with directed independent study; however, the combination of these non-class options shall not exceed nine hours. Program standards must be met to be eligible for either internship or independent study credit.
   - 3 additional semester hours of supporting courses to be selected with and approved by the student’s advisor. These courses may vary from student to student depending upon individual needs or objectives, but include selected courses from public administration, legal studies, sociology, statistics, and psychology.

6. Capstone Requirements
   - None

7. Foreign Language Requirements
   - Admissions
     - Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

   - Graduation
     - None

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

Honors In Major
- None

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- 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

Admissions
- Two years of one foreign language in high school, or one year of one foreign language in college (or equivalent proficiency exam) prior to graduation.

Graduation
- None

Electives
- None

Additional Requirements
- None

Required Minors
- None

Departmental Exit Requirements
- Students must take a minimum of 36 hours from the department to obtain the UCF degree in Criminal Justice.

University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed
- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 130

Honors In Major
- None

Related Programs
- Legal Studies

Certificates
- None

Related Minors
- Legal Studies
- Public Administration
- Psychology

Advising Notes
- None

Transfer Notes
- None

Academic Learning Compacts
- 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 - A.S. to B.S. Track (B.S.B.A.)
College of Business Administration
Department of Management, Business Administration
II, Room: 101
http://www.bus.ucf.edu/
Phone: 407-823-2184

Completion program only for individuals who have statewide articulated A.S. from a Florida public community college.
Statewide Articulated A.S. To B.S. Programs

**Admission Requirements**
- Completion of a Statewide Articulated A.S. in Business
  - Administration from a Florida public community college which is composed of 64 hours of course work, including at least 24 hours of transferable General Education courses.

**Degree Requirements**
- **Minimum** in 1st or 2nd semester.
- **Capstone Requirements** (4 hrs)
  - **Capstone** (4 hrs)
  - **Cornerstone** (4 hrs)
  - **Cornerstone Lab** (1 hr)

**Required Minors**
- Economics (9 hrs)
  - **Cornerstone** (3 hrs)
  - **Cornerstone Lab** (1 hr)
  - **Cornerstone**: Professional Skills for Business

**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 residence at UCF
  - A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
  - Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

**Total Semester Hours Required**
- 132
Undergraduate Catalog 2011-2012

UNIVERSITY OF CENTRAL FLORIDA

Statewide Articulated A.S. To B.S. Programs

Honors in Major
- None

Related Programs
- None

Certificates
- None

Related Minors
- None

Advising Notes
- Florida Public Community College students are advised to complete the Associate of Arts degree, to include the general education requirements, the common program prerequisites for the SUS system, and college algebra.
- Any student receiving a business degree must complete one half (30) of the 60 upper level business courses for their degree program in the UCF College of Business Administration. Additionally, 12 of the 30 credit hours completed at UCF must be from the department or school in which the student majors.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Be sure that you take advantage of both.

Transfer Notes
- Courses taken at community colleges do not substitute for upper division courses.
- Courses transferred must be formally evaluated for equivalency credit. The student must provide a course syllabus and any other supporting information with his/her petition for this evaluation.
- Common Program Prerequisites for the State University System for College of Business Administration programs include Financial Accounting, Managerial Accounting, Macroeconomics, Microeconomics, Calculus, Statistics, and a relevant computer class. At UCF Business, students who have completed the calculus and statistics class will be waived from Quantitative Business Tools I. Students who have completed either the calculus or the statistics, but not both, must take a course in Statistics, Economics, or Business Mathematics.
- 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.oews.ucf.edu/alac/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $15 per term
- Full-Time Student: $30 per term

Hospitality Management - A.S. to B.S. Track (B.S.)
Rosen College of Hospitality Management
Department of Hospitality Services,
9907 Universal Boulevard, Orlando, FL 32819
E-mail: hospitality@mail.ucf.edu
Dr. Abraham Pizam, Dean
Phone: 407-903-8000

Admission Requirements
- Completion of a Statewide Articulated A.S. in Hospitality Management from a Florida public community college which is composed of 64 hours of course work, including at least 18 hours of transferable general education courses. Course work will be comprised of 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
  D: Social Foundations
  E: Science Foundations

2. Common Program Prerequisites (CPP) (3 hrs)
- See “Common Prerequisites” in the Transfer and Transitions Services section for more information.
  HFT 1000 Introduction to the Hospitality and Tourism Industry

3. Core Requirements: Basic Level (3 hrs)
  MAC 1105C College Algebra

Select 1: 3 hrs
- CGS 2100C Computer Fundamentals for Business or
- STA 2023 Statistical Methods I

Select 1: 3 hrs
- ECO 2013 Principles of Macroeconomics or
- ECO 2023 Principles of Microeconomics

4. Core Requirements: Advanced Level (27 hrs)
  Hospitality Management Core
  HFT 3933 Distinguished Lectures in Hospitality
  HFT 3700 Tourism Management
  HFT 3263 Restaurant Management
  HFT 3273 Principles of Resort Timesharing or
  HFT 4755 Theme Park and Attraction Management
  HFT 4277 Yacht, Country, and City Club

Select 3: 9 hrs
- HFT 3933 3 hrs
- HFT 3263 3 hrs
- HFT 3273 3 hrs
- HFT 4755 3 hrs
- HFT 4277 3 hrs

Guest Lecture 1 hr
- 1 HFT 3933 Distinguished Lectures in Hospitality Management

5. Restricted Electives (15 hrs)
- Students should select one of the following options to fulfill their hospitality management restricted elective requirement.

Restricted Electives
- Students must take 15 credit hours (five courses) from the following:
  FSS 3008 Culture and Cuisine
  FSS 4135 Corporate Contract and Managed Services Organizations
  FSS 4266C Catering and Banquet Organization
  HFT 3353 Golf Planning & Operations I
  HFT 3354 Agronomy for Golf Course Management
  HFT 3355 Golf Planning & Operations II
  HFT 3357 Golf & Club Event Operations
  HFT 3384 Golf and Club Enterprises Management
  HFT 3654 Franchising in the Restaurant Industry
  HFT 3741 Meeting Management
  HFT 3798 Fairs and Festivals
  HFT 3868 History and Culture of Wine
  HFT 4253 Hotel Operations
  HFT 4266 Restaurant Brand Management
  HFT 4268 Case Studies in Restaurant Management
  HFT 4274 Resort Management
  HFT 4281 Restaurant Leadership Strategies and Tactics
  HFT 4343 Hospitality Facilities Planning and Design
  HFT 4358 Golf & Club Facility Design
  HFT 4432 Hospitality Industry Auditing
  HFT 4473 Hotel Development Analysis
HFT 4522  Resort Sales Tactics and Strategies  3 hrs
HFT 4532  Managing the Employee Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4561  Destination Marketing  3 hrs
HFT 4614  Risk Management in Theme Parks and Attractions  3 hrs
HFT 4735  Tourism Geography  3 hrs
HFT 4736  Destination Management  3 hrs
HFT 4754  Exhibit and Trade Show Operations  3 hrs
HFT 4759  Product Development in Theme Parks and Attractions  3 hrs
HFT 4762  Current Practices in the Airline Industry  3 hrs
HFT 4786  Managing the Guest Experience in the Theme Park and Attraction Industry  3 hrs
HFT 4787  Operational Issues in the Theme Park and Attraction Industry  3 hrs
HFT 4795  Entertainment Arts and Events  3 hrs
HFT 4796  International Events  3 hrs
HFT 4864  Seminar in Quality Brewing and Fine Beer  3 hrs
HFT 4866C  Exploring Wines of the World  3 hrs
HFT 4894  International Gastronomy  3 hrs
HUN 3013  Nutrition Concepts and Issues in the Food Service Industry  3 hrs

Specialized Tracks  15 hrs
- Or students must complete one of the following Hospitality Management Specialized Tracks offered by the Rosen College as outlined below to satisfy the restricted elective requirement.
- Theme Park and Attraction Mgmt Track  15 hrs
  - HFT 4532  Managing the Employee Experience in the Theme Park and Attraction Industry  3 hrs
  - HFT 4759  Product Development in Theme Parks and Attractions or
  - HFT 4614  Risk Management 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 3353  Golf Planning & Operations I or
  - HFT 3354  Agronomy for Golf Course Management or
  - HFT 3355  Golf Planning & Operations II or
  - HFT 3357  Golf & Club Event Operations or
  - HFT 3384  Golf and Club Enterprises Management or
  - HFT 3358  Golf & Club Facility Design  3 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements
Admissions
- State University System foreign language requirement: two years in high school or one year of college instruction in a single foreign language.
  (This requirement applies to those students admitted to the University without the required two units of foreign language in high school.)
Graduation
- None

8. Electives
- None

9. Additional Requirements
- Grades of “C-” (1.75) or below do not transfer into the Hospitality Management core or restricted electives.
- It is the responsibility of the student to take whatever steps are necessary to determine if they have been officially dropped from a course. This does not remove the student’s responsibility for dropping courses they do not intend to complete.
- Final exams will be given during Exam Week only.

10. Required Minors
- None

11. Departmental Exit Requirements
- None

12. University Minimum Exit Requirements
- A 2.0 UCF GPA
- 60 semester hours earned after CLEP awarded
- 48 semester hours of upper division credit completed

- 30 of the last 39 hours of course work must be completed in residency at UCF
- A maximum of 45 hours of extension, correspondence, CLEP, Credit by Exam, and Armed Forces credits permitted.
- Complete the General Education Program, the Gordon Rule, the CLAS and nine hours of Summer credit (if applicable)

Total Semester Hours Required
- 124

Honors In Major
- None
Related Programs
- None
Certificates
- None
Related Minors
- None
Advising Notes
- None

Transfer Notes
- Florida public community college students in the A.S. to B.S. track are required to complete an individual plan of study with the College prior to enrolling in their first semester at UCF.
- Subject to the general grade and residence requirements, credit will be granted for transferred course work equivalent to that required in the UCF Rosen College of Hospitality Management.
- A minimum of 30 semester hours must be completed at UCF within the Hospitality major.
- Orientation and advising are two of the most valuable tools that a student can make use of when transferring to UCF. Students should take advantage of both.

Acceptable Substitutes for Transfer Courses
- HFT 2401  Hospitality Industry Financial Accounting  3 hrs
  may be substituted with: ACG X011
- HFT 2401  Hospitality Industry Financial Accounting  3 hrs
  may be substituted with: ACG X011

Plan of Study
- None

Program Academic Learning Compacts
- Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.o eas.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
- Part-Time Student: $37.50 per term
- Full-Time Student: $75 per term

Nursing - A.S. to B.S.N. Track (B.S.N.)
College of Nursing
UTWR, Room: 3rd floor
http://www.nursing.ucf.edu
E-mail: ucfnurse@mail.ucf.edu
Dr. Jean Leuner, Dean
Dr. Linda Hennig, Associate Dean
Stephen Heglund, RN-BSN Coordinator
Phone: 407-823-2744

BSN completion program only for individuals who have a statewide articulated A.S. in Nursing from a Florida public community or state college.(12/2000 or later)

Admission Requirements
- Acceptance to the university does not constitute admission to the upper division nursing program. Separate application to the limited access program must be made directly to the College of Nursing. All applicants must have:
- A minimum overall undergraduate GPA of 2.5
- Completion of a Statewide Articulated AS in Nursing from a Florida public community or state college which is composed of 72 hours of course work, including at least 18 hours of transferable General Education courses (graduation 12/00 or later). Individuals who received AS prior to 12/00 or attended school other than a Florida public community or state college should follow section “B” - RN to BSN Program
- Current RN License or license eligible
Statewide Articulated A.S. To B.S. Programs

Degree Requirements

- Completion of all common program prerequisite courses with at least a grade of "C" (2.0) or better in each course
- Students should consult with an advisor in the College of Nursing
- Undergraduate Student Services Office for questions regarding prerequisite requirements.
- The courses designated in sections 1 and 2 below may be taken at a Florida community or state college or other universities and should usually be completed in the first 60 hours.
- A minimum overall undergraduate GPA of 2.5 and a minimum 2.5 GPA in the nursing major are required for continuation in and graduation from the nursing program.
- UCF Residency Requirement: 32 hours

1. UCF General Education Program (GEP) (36 hrs)

- Students will complete 18 hours of selected General Education courses as part of the articulated AS.
- The specific courses will be determined in coordination with 18 hours of General Education courses completed.
- Student must complete remaining General Education courses, prerequisites, and foreign language admission requirements prior to NUR 3634 Community Health Nursing.
- Students completing the General Education requirements at a Florida community college should complete those courses prior to their last 30 hours at UCF.

A: Communication Foundations (9 hrs)
- Required ENC 1101 Composition I 3 hrs
- Required ENC 1102 Composition II 3 hrs
- Required SPC 1608 Fundamentals of Oral Communication 3 hrs

B: Cultural & Historical Foundations (9 hrs)
- Prefer MAC 1105C College Algebra 3 hrs
- Required STA 2014C Principles of Statistics 3 hrs

C: Mathematical Foundations (6 hrs)
- Required SYG 2000 Introduction to Sociology 3 hrs
- Required PSY 2012 General Psychology 3 hrs

D: Social Foundations (6 hrs)
- Required SYG 2000 Introduction to Sociology 3 hrs
- Required PSY 2012 General Psychology 3 hrs

E: Science Foundations (7 hrs)
- Required BSC 2010C Biology I 4 hrs
- Required CHM 1032 General Chemistry 3 hrs

2. Common Program Prerequisites (CPP) (18 hrs)

- See "Common Prerequisites" in the Transfer and Transitions Services section for more information.
- CHM 1032 General Chemistry GEP
- HUN 3011 Human Nutrition 3 hrs
- MCB 2004 Microbiology for Health Professionals 4 hrs
- PCB 3703C Human Physiology 4 hrs
- ZOO 3733C Human Anatomy 4 hrs

Select 1:
- STA 2014C Principles of Statistics or
- STA 2023 Statistical Methods I GEP
- Select 1: 3 hrs

Select 1:
- SOW 3104 Assessing I: Human Development or
- DEP 2004C Developmental Psychology 3 hrs
- Select 1: 3 hrs

Select 1:
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology GEP
- Select 1: 3 hrs

Select 1:
- PSY 2012 General Psychology or
- SYG 2000 Introduction to Sociology GEP

1. UCFS Core (24 hrs)
- NUR 3085 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3085 Health Assessment 2 hrs
- NUR 3085 Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

2. UCF Core (51 hrs)
- NUR 3805 Dimensions of Professional Nursing Practice 3 hrs
- NUR 3085 Health Assessment 2 hrs
- NUR 3085 Health Assessment Lab 1 hr
- NUR 3165 Nursing Research 3 hrs
- NUR 3634 Community Health Nursing 3 hrs

NUR 4837 Health Care Issues, Policy, and Economics 3 hrs
NUR 4604L Practicum in Community and Public Health Nursing for RNs 4 hrs
NUR 4828 Nursing Leadership, Management and Role Transition 3 hrs
NUR 4637 Public Health Nursing 2 hrs

Upper Division Credit (27 hrs)

- May be met by validation
- NUR 3028 Essentials of Nursing Practice 2 hrs
- NUR 3028L Essentials of Nursing Practice Lab 1 hr
- NUR 3755L Essentials of Nursing Practice Clinical 2 hrs
- NUR 3225L Nursing Care of the Adult I: Clinical Practice 2 hrs
- NUR 3445 Nursing Care of Families 3 hrs
- NUR 3445L Nursing Care of Families Clinical 2 hrs
- NUR 4227 Nursing Care of the Adult II 4 hrs
- NUR 4227L Nursing Care of the Adult II: Clinical Practice 3 hrs
- NUR 4535 Psychiatric Mental Health Nursing 3 hrs
- NUR 4535L Psychiatric Mental Health Clinical 2 hrs
- NUR 4225 Nursing Care of the Adult I 3 hrs

5. Restricted Electives (6 hrs)
- NSP/NUR XXXX Any two upper division nursing electives 6 hrs

6. Capstone Requirements
- None

7. Foreign Language Requirements

Admissions

- Two years of one foreign language in high school, or one year of foreign language in college (or equivalent proficiency exam) prior to enrollment in NUR 3634.

Graduation

- None

8. Electives

9. Additional Requirements

- A criminal background check and mandatory Drug Screening are required prior to any clinical course and "on demand" for continuation in the program.
- Complete all courses in major with at least a "C" (2.0)
- Maintain a UCF GPA of 2.5 or above
- Maintain a College of Nursing GPA of 2.5 or above

Progression Requirements:

- Prior to NUR 3165: 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)
Statewide Articulated A.S. To B.S. Programs

Total Semester Hours Required
■ 128

Honors In Major
■ None

Related Programs
■ Health Services Administration
■ Social Work

Certificates
■ Aging Studies

Related Minors
■ Psychology
■ Health Sciences
■ Health Services Administration
■ Health Information Management

Advising Notes
■ Students are required to design an individual plan of study with an advisor. Any changes to that plan must be made in consultation with the advisor. Failure to do so may result in a delay of program progression and/or graduation.

Transfer Notes
■ A maximum of 6 upper division credit hours of Nursing courses may be transferred from another institution.

Acceptable Substitutes for Transfer Courses
■ None

Plan of Study
■ None

Program Academic Learning Compacts
■ Program Academic Learning Compacts (student learning outcomes) for undergraduate programs are located at:
  http://www.oer.ucf.edu/alc/academic_learning_compacts.htm

Equipment Fees
■ Part-Time Student: $25 per term
■ Full-Time Student: $50 per term
Classification of Courses
The University course numbering system is as follows:

**0-0999.** Subcollegiate level and not counted in meeting degree requirements.

**1000-2999.** Freshman and sophomore level courses and are designed primarily for these students.

**3000-4999.** Junior- and senior-level courses (Upper-division). These courses contain advanced undergraduate level material and are designed primarily for undergraduate juniors and senior.

**5000-5999.** Beginning graduate and advanced undergraduate level courses. These courses provide more advanced material than that found in undergraduate courses. They are designed primarily for beginning graduate students, but may be suitable for some advanced undergraduate seniors. They are open for registration to all graduate students and those seniors who receive approval of the appropriate Dean(s).

**6000-6999.** Advanced graduate level courses. These courses are designed to build upon the beginning graduate level courses and to deliver more advanced content and experiences. They are open only to graduate students. (Seniors, within nine hours of graduation that have a minimum 3.0 GPA and do not register for more than twelve hours may request college permission to take a 6000-level class.) Students in 3+2 programs (combined bachelor’s and master’s programs) should check with their adviser before registering for 6000-level courses.

**7000-7999.** Doctoral-level courses. These courses provide material at the most advanced graduate level. They are restricted to admitted doctoral students only.

Florida’s Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 28 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at [http://scns.fldoe.org](http://scns.fldoe.org).

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

**General Rule for Course Equivalencies**
Equivalent courses at different institutions are identified by the same prefix and last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a freshman composition skills course is offered by 56 different postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, “ENC” means “English Composition,” the century digit “1” represents “Freshman Composition,” the decade digit “0” represents “Freshman Composition Skills,” and the unit digit “1” represents “Freshman Composition Skills I.”

In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as 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 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.

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**Example of Course Identifier**

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>No Laboratory component in this course</td>
</tr>
<tr>
<td>English Composition</td>
<td>Lower (Freshman) Level at this institution</td>
<td>Freshman Composition</td>
<td>Freshman Composition Skills</td>
<td>Freshman Composition Skills I</td>
<td></td>
</tr>
</tbody>
</table>
Common Course Numbering System

Exceptions to the General Rule for Equivalency
Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalences and may not transfer. Transferability is at the discretion of the receiving institution.

A. Courses not offered by the receiving institution.
B. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
C. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Apprenticeships, Practica, Study Abroad, Thesis and Dissertations.
D. College preparatory and vocational preparatory courses.
E. Graduate courses.
F. Internships, apprenticeships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
G. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice (academy certificate courses) are not guaranteed as transferable. These courses need evidence of achievement (i.e., portfolio, audition, interview, etc.).

Courses at Nonregionally Accredited Institutions
The Statewide Course Numbering System makes available on its home page (http://scns.fldoe.org) a report entitled “Courses at Nonregionally Accredited Institutions” that contains a comprehensive listing of all non-public institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to the Associate Dean, Undergraduate Studies, Millican Hall 210, University of Central Florida, 4000 Central Florida Parkway, Orlando, FL 32816, 407-823-2891 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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ABE</td>
<td>Agricultural and Biological Engineering</td>
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<tr>
<td>ABT</td>
<td>Arabic Culture in Translation or Translation Skills</td>
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<tr>
<td>ABW</td>
<td>Arabic Literature (Writings)</td>
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<tr>
<td>ACG</td>
<td>Accounting: General</td>
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<tr>
<td>ACO</td>
<td>Accounting: Occupational/Technical Variable Paced</td>
</tr>
<tr>
<td>ACR</td>
<td>HVACR: Heating/Ventilation/AC/Refrigeration: Tech/Trades</td>
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<tr>
<td>ADE</td>
<td>Adult Education</td>
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<td>ADV</td>
<td>Advertising</td>
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<tr>
<td>AEB</td>
<td>Agricultural Economics and Business</td>
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<tr>
<td>AEC</td>
<td>Agricultural Education and Communication</td>
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<tr>
<td>AEE</td>
<td>Agriculture and Extension Education</td>
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<td>AER</td>
<td>Automotive Mechanics</td>
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<td>AFA</td>
<td>African-American Studies</td>
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<td>AFH</td>
<td>African History</td>
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<td>AFR</td>
<td>Aerospace Studies</td>
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<td>AFS</td>
<td>African Studies</td>
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<tr>
<td>AGE</td>
<td>Agricultural Engineering (Discontinued Effective 2005)</td>
</tr>
<tr>
<td>AGR</td>
<td>Agronomy</td>
</tr>
<tr>
<td>AMH</td>
<td>Amharic Language</td>
</tr>
<tr>
<td>AHT</td>
<td>Amharic Culture in Translation or Translation Skills</td>
</tr>
<tr>
<td>AHW</td>
<td>Amharic Literature (Writings)</td>
</tr>
<tr>
<td>AKA</td>
<td>Akhan Language</td>
</tr>
<tr>
<td>AKT</td>
<td>Akhan Culture in Translation or Translation Skills</td>
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<tr>
<td>AKW</td>
<td>Akhan Literature (Writings)</td>
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<tr>
<td>ALS</td>
<td>Agriculture and Life Sciences</td>
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<tr>
<td>AMH</td>
<td>American History</td>
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<tr>
<td>AML</td>
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**Common Course Numbering System**

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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 Directed Reading 3970H, 4970H
Honors Directed Reading* 4903H
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, HPA = Health and Public Affairs, and UGST = Undergraduate Studies/Interdisciplinary Studies. Department indicators are listed below (by college):

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<tr>
<th>College/School</th>
<th>Department</th>
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<td>BA</td>
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Finding a Course in this List: The UCF courses in this section are listed alphabetically by prefix. Consult the “Common Course Numbering System” section of the Undergraduate Catalog for additional information.

Availability of Courses: The University does not offer all of the courses listed in this Undergraduate Catalog each academic year, academic semester, or term. Consult the online Class Schedule at https://my.ucf.edu for those courses offered each semester/term. At the end of each course description is information on the planned scheduling of the course, (Fall, Spring or Occasional-department scheduled, Odd-Even based on year of term), and any applicable Material and Supply (M&S) Fee.


AGC 2071 BA-ACCT 3(3,0) Principles of Managerial Accounting: PR: ACG 2021 and MAC 1106C. The purpose of this course is to thoroughly familiarize the student with the various uses of accounting information for planning and control. Fall, Spring.

AGC 3082 BA-ACCT 3(3,0) Accounting For Non-Business Majors: PR: Junior Standing. Accounting and reporting from an investment and managerial decision making perspective. Occasional.

AGC 3131 BA-ACCT 3(3,0) Intermediate Financial Accounting I: PR: Junior standing. Accounting major or minor, and ACG 2021 and ACG 2071 with a grade of “C” (2.0) or better. Technical knowledge about accounting measurement and disclosure, as well as how financial statements are analyzed and interpreted by external users. Fall, Spring.

AGC 3141 BA-ACCT 3(3,0) Intermediate Financial Accounting II: PR: Accounting major or minor, and 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.

AGC 3361 BA-ACCT 3(3,0) Cost Accounting I: PR: Junior standing. Accounting major or minor, and MAC 1105C, 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.

AGC 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.


AGC 4401C BA-ACCT 3(3,1) Accounting Information Systems: PR: Accounting major or minor, ACG 3131 and COS 2105C, with a grade of “C” or better. Manual and computer-based accounting information systems. Fall, Spring.

AGC 4651 BA-ACCT 3(3,0) Auditing: PR: Accounting major or minor, ACG 3141 and ACG 4401C with a grade of “C” or better. The standards, practices, and procedures followed in the audit function. Fall, Spring.

AGC 4671 BA-ACCT 3(3,0) Internal Auditing: PR: Accounting major or minor, ACG 3131 or ACG 3361. Theory and practice of internal auditing and the use of internal auditing in organizational control. Fall, Spring.

AGC 4803 BA-ACCT 3(3,0) Contemporary Issues in Accounting: PR: 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-E&HS 3(3,0) Teaching Adult Learners in Technical Programs: PR: ECT 3365 or C.I. Planning for and teaching of adult learners in formal & informal technical settings. Fall, Spring.

ADV 3008 COS-COMM 3(3,0) Principles of Advertising: PR: SPC 1608, or SPC 1603, or COMM 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-PR majors only and ADV 3008 and PUR 4000. Advertising copywriting teaches the development of creative strategies for advertising and emphasizes writing for various ad media. Fall, Spring.

ADV 4103 COS-COMM 3(3,0) Radio-Television Advertising: PR: R-TV 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-PR major. Media planning and buying, including basic media terms, calculations, and resources. Fall.


AFA 3102 CAH-AAS 3(3,0) Black Perspectives: A Multidisciplinary Approach: PR: ENC 1102. Key issues and methodologies in African American Studies featuring presentations by representative faculty from various disciplines. Fall, Spring.


AFA 3371 CAH-AAS 3(3,0) Evolution of Hip Hop: PR: AFA 3104 or C.I. An historical analysis of Hip Hop from its African roots to the present with emphasis on the socio-political implications of this phenomenon. Occasional.


AFA 3955 CAH-AAS 6(0,6) Study Abroad in Eastern Caribbean: PR: LAS 4023 or Junior standing. Interdisciplinary study abroad program focuses on the arts and humanities of African diaspora cultures in the Eastern Caribbean. Occasional.


AFA 5930 CAH-AAS 3(3,0) Topics in African American Studies: PR: Graduate standing or senior standing or C.I. This interdisciplinary seminar uses primary texts to examine the impact of black culture, aesthetic and philosophical ideas on 20th century American society. Occasional.

AFH 3100 CAH-HIST 3(3,0) African History to 1870: PR: C.I. Sub-Saharan Africa 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: History, mission, organization, and doctrine of the United States Air Force and a study of U.S. Strategic Offensive and Defensive Forces. Hands on training. Fall.

AFR 1111C ECS-AFROTC 1(1,2) The Air Force Today II: A brief review of the Army, Navy, and Marine forces. An introduction to special operations and counterinsurgency. Spring.

AFR 2120C ECS-AFROTC 1(1,2) The Development of Air Power I: A study of the development of air power from experiments by 18th-century balloonists to the achievement of combat air power capabilities during World War II. Hands on training. Fall.

AFR 2131C ECS-AFROTC 1(1,2) The Development of Air Power II: A study of the development of aerospace capabilities since World War II, highlighting technological advancements and the role of aerospace power in the contemporary world. Spring.

AFR 3220C ECS-AFROTC 3(3,2) Air Force Leadership and Management I: An introductory study of Air Force management fundamentals, communications skills, and basic leadership styles. Hands on training. Fall.
### 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 senior standing or C.I. Reading and class discussion of the literature on selected topics in the Revolutionary Era, 1763-1789. Occasional.

### AMH 5149 CAH-HIST 3(3,0)
**Colloquium in Early U.S. History, 1789-1815:** PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the early national period. Occasional.

### AMH 5169 CAH-HIST 3(3,0)
**Colloquium in Age of Jackson:** PR: Graduate standing or senior standing or C.I. Intensive reading and class discussion on selected topics of the Jacksonian age. Occasional.

### AMH 5176 CAH-HIST 3(3,0)
**Colloquium in Civil War and Reconstruction:** PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of the Civil War and Reconstruction era. Occasional.

### AMH 5219 CAH-HIST 3(3,0)
**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 5263 CAH-HIST 3(3,0)
**Contemporary American Women's Fiction:** PR: Grade of C (2.0) or better required in ENC 1102. Examines how novels and short stories by contemporary U.S. women define identity from diverse woman-centered and feminist perspectives. Occasional.

### AMH 5303 CAH-ENG 3(3,0)
**American Literature I:** PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. Fall, Spring.

### AMH 5304 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.

### AMH 5378 CAH-HIST 3(3,0)
**Honors Ethnic Literature in America:** PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. May be repeated for credit only when course content is different. Fall, Spring.

### AMH 5506 CAH-HIST 3(3,0)
**Honors in U.S. Diplomatic History:** PR: Graduate standing or senior standing or C.I. Reading and class discussion of the literature on selected topics of frontier history. Occasional.

### AMH 5602 CAH-ENG 3(3,0)
**American Poetry at Mid-Century:** PR: Grade of C (2.0) or better required in ENC 1102 and ENC 304. Study of major figures from the "Middle Generation": Berryman, Bishop, Jarrell, Lowell, Plath, Rich, Roethke, and others. Occasional.

### AMH 5606 CAH-HIST 3(3,0)
**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 geographical, economic, and demographic factors that contributed to the development of American history. Even Fall.

### AML 3026 CAH-ENG 3(3,0)
**American Literature in U.S. Culture:** PR: Grade of C (2.0) or better required in ENC 1102. Major American writers from beginning through Whitman. May be used for credit only when course content is different. Fall, Spring.

### AML 3032 CAH-ENG 3(3,0)
**American Poetry:** PR: Grade of C (2.0) or better required in ENC 1102. Major American poets of the modern (1900-1950) period. Occasional.

### AML 4630 CAH-ENG 3(3,0)
**Latino/Latina Literature:** PR: Grade of C (2.0) or better required in ENC 1102. 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, W. C. Williams, etc.) 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. In-depth study of current methodological, theoretical, and/or topical problems in Maya Studies. Occasional.

### ANG 5167 COS-ANTHRO 3(3,0)
**Mortuary Archaeology:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Funerary customs and human remains; basic data collection, skeletal analysis, and comparative study of mortuary ritual-ancient and modern. Occasional.

### ANG 5228 COS-ANTHRO 3(3,0)
**Maya Iconography:** PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Origins and contemporary ramifications of underdevelopment and re-empowerment in the world system from an anthropological perspective. Occasional.
UCF Courses and Descriptions

ANG 5301 COS-ANTHRO 3(3,0)
Anthropology of Tourism: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Anthropology of tourism in U.S. and world regions, including impacts on local peoples, cultures, and environments. Occasional.

ANG 5307 COS-ANTHRO 3(3,0)
Peoples and Cultures of Latin America: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Latin American culture focusing on indigenous history, colonialism, traditional peoples, social change, and modernization. Occasional.

ANG 5341 COS-ANTHRO 3(3,0)
Caribbean Cultures: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Historical and contemporary overview of the societies and cultures of the Caribbean region, including effects of colonization by the Dutch, Spanish, British, and French. Occasional.

ANG 5486 COS-ANTHRO 3(3,0)
Quantitative Research in Anthropology: PR: Admission to the MA in Anthropology program, Maya Studies graduate certificate, or C.I. Quantitative approaches to problems in anthropology, including multivariate statistics, assessment of reliability, and approaches for small samples. Odd Fall.

ANG 5531 COS-ANTHRO 3(3,0)
Nutritional Anthropology: PR: The course requires knowledge of Principles of Human Ecology (min 2000-level) and one course in Biological Sciences (min 2000-level) or Consent of Instructor. Graduate standing or senior standing or C.I. The biological, social, cultural, psychological, and environmental influences of food consumption and physiological status. Perspectives are cross-cultural, evolutionary, ecological. Occasional.

ANG 5620 COS-ANTHRO 3(3,0)
Language and Culture: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Language as an integral part of human culture and behavior, focusing on cross cultural issues that affect cultural competency. Spring.

ANG 5622 COS-ANTHRO 3(3,0)
Language, Culture and Pedagogy: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Linguistic and cultural issues in the learning needs of students from culturally diverse populations. Occasional.

ANG 5738 COS-ANTHRO 3(3,0)
Advanced Medical Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Advanced topics in ethnography of medical traditions and anthropologically relevant areas of the study of health and disease. Odd Fall.

ANG 5742 COS-ANTHRO 3(3,0)
Problems in Forensic Anthropology: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Current issues and topics in forensic anthropology. Occasional.

ANG 5822 COS-ANTHRO 3(3,0)
Maya Field Research: PR: Admission to Anthropology MA, Maya Studies GC, or C.I. Practical application of method and theory during primary infeld research in the Maya area. Spring.

ANT 2000 COS-ANTHRO 3(3,0)
General Anthropology: An introductory survey of the four major subfields of anthropology: Social Anthropology, Physical Anthropology, Linguistics, and Archaeology. Fall, Spring.

ANT 2000H COS-ANTHRO 3(3,0)

ANT 2140 COS-ANTHRO 3(3,0)
Archaeology and the Rise of Human Culture: The evolution of human society from foraging and hunting groups to the earliest cities and states. Fall, Spring.

ANT 2410 COS-ANTHRO 3(3,0)
Cultural Anthropology: An introduction to human diversity as examined among various cultures and ethnic groups. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3,0)
The Human Species: Human biological variation in an evolutionary perspective. Fall, Spring.

ANT 2511H COS-ANTHRO 3(3,0)

ANT 3106 COS-ANTHRO 3(3,0)
Archaeology and Popular Culture: PR: ANT 2000 or C.I. How the ancient past and archaeology appear in popular culture and are manipulated and used by modern societies. Occasional.

ANT 3115 COS-ANTHRO 3(3,0)
Archaeological Method and Theory: PR: or CR: ANT 2000 or ANT 2140 or C.I. A survey of archaeological field and laboratory techniques, including the interpretation of written archaeological reports. Even Fall.

ANT 3142 COS-ANTHRO 3(3,0)
Old World Prehistory: PR: or CR: ANT 2000 or ANT 2140 or C.I. A comparative study of social evolution in Africa, Europe, and Asia from the earliest humans to the beginnings of recorded history. Occasional.

ANT 3145 COS-ANTHRO 3(3,0)
Archaeology of Complex Societies: PR: ANT 2140 or C.I. An introduction to major archaeological traditions on historical hierarchies of power. Fall.

ANT 3148 COS-ANTHRO 3(3,0)
Life and Death in Ancient Egypt: PR: Any 2000 level Anthropology course. Use of archaeology and physical anthropology to examine the lives and death of both common people and royalty in Ancient Egypt (3200 BCE-AD 600). Occasional.

ANT 3152 COS-ANTHRO 3(3,0)

ANT 3158 COS-ANTHRO 3(3,0)
Florida Archaeology: PR: ANT 2000 or ANT 2140 or C.I Florida prehistory from Paleo-Indian to European contact including archaeological periods, cultural areas, sites, and artifacts. Occasional.

ANT 3160 COS-ANTHRO 3(3,0)
Americas Before Columbus: PR: ANT 2000 or C.I. Archaeological developments of North, Central, and South America from the hemisphere’s initial peopling through the advent of European cultures. Occasional.

ANT 3161 COS-ANTHRO 3(3,0)
Archaeology of Mexico: PR: ANT 2000 or C.I. Achievements of civilizations in Mexico (Olmec, Zapotec, Aztec) as well as lesser known archaeological cultures. Occasional.

ANT 3163 COS-ANTHRO 3(3,0)
Mesoamerican Archaeology: PR: or CR: ANT 2000 or ANT 2140 or C.I. The ancient Inca civilization, including examination of pre-Inca cultures and modern Andeans. Uses archaeological, ethnographic, historical, and contemporary anthropological sources. Occasional.

ANT 3165 COS-ANTHRO 3(3,0)
Archaeology of South America: PR: ANT 2000 or C.I. Civilizations of South America from the last ten thousand years, focusing primarily on civilizations of the Andes and other areas. Occasional.

ANT 3168 COS-ANTHRO 3(3,0)
Maya Archaeology: PR: or CR: ANT 2000 or ANT 2140 or C.I. An examination of the Prehistoric Maya culture focusing on both the archaeology and current issues in the field. Occasional.

ANT 3173 COS-ANTHRO 3(3,0)
Archaeology of Sex: PR: ANT 2000 or C.I. Cross-cultural concepts of sex, sexuality, and sexual intercourse throughout human history from an anthropological perspective. Occasional.

ANT 3177 COS-ANTHRO 3(3,0)

ANT 3212 COS-ANTHRO 3(3,0)

ANT 3241 COS-ANTHRO 3(3,0)
Magic, Ritual, and Belief: PR: or CR: ANT 2000 or ANT 2410 or C.I. Patterns in religious behavior in various societies, with primary emphasis on myth, rite, taboo, and festival social phenomena. Fall, Spring.

ANT 3245 COS-ANTHRO 3(3,0)
Native American Religions: PR: ANT 2000 or ANT 2410 or C.I. The religious beliefs of native New World peoples. Occasional.

ANT 3263 COS-ANTHRO 3(3,0)

ANT 3273 COS-ANTHRO 3(3,0)
Law and Culture: PR: or CR: ANT 2000 or C.I. An introduction to law as an organizing force in society, including a study of primitive forms of law and social control. Occasional.

ANT 3302 COS-ANTHRO 3(3,0)
Sex, Gender and Culture: PR: or CR: ANT 2000 or ANT 2511 or C.I. The traditional and changing roles of women and men viewed in a cross-cultural perspective. Fall, Spring.

ANT 3311 COS-ANTHRO 3(3,0)

ANT 3312 COS-ANTHRO 3(3,0)

ANT 3313 COS-ANTHRO 3(3,0)

ANT 3314 COS-ANTHRO 3(3,0)
Indians of the Northeast Woodlands: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northeastern United States. Occasional.

ANT 3315 COS-ANTHRO 3(3,0)
Indians of the Northwest Coast: PR: ANT 2000 or ANT 2410 or other lower-level social science course. The prehistory, history and culture of Native Americans of the Northwest Coast of North America. Occasional.

ANT 3319 COS-ANTHRO 3(3,0)

ANT 3330 COS-ANTHRO 3(3,0)
Cultural Ecology of Amazonia: PR: Any 2000 level social science course or C.I. The cultural ecology and adaptive strategies of native Amazonians, including effects of modernization on resource use and cultural survival. Occasional.
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<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANT 3344</td>
<td>COS-ANTHRO</td>
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<tr>
<td>ANT 3362</td>
<td>People of Southeast Asia</td>
<td>3(3.0)</td>
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<tr>
<td>ANT 3338</td>
<td>Anthropology of Japan</td>
<td>3(3.0)</td>
</tr>
<tr>
<td>ANT 3398</td>
<td>Black/Seminoles</td>
<td>3(3.0)</td>
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<tr>
<td>ANT 3450</td>
<td>Living in the USA: Anthropological Perspectives</td>
<td>3(3.0)</td>
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<tr>
<td>ANT 3541</td>
<td>Biobehavioral Anthropology</td>
<td>3(3.0)</td>
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<td>ANT 3610</td>
<td>Language and Culture</td>
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<td>ANT 3701</td>
<td>Applied Anthropology</td>
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<td>ANT 3949</td>
<td>Cooperative Education in Anthropology</td>
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<td>ANT 4013</td>
<td>Anthropological Perspectives on Fast Food</td>
<td>3(3.0)</td>
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<tr>
<td>ANT 4034</td>
<td>History of Anthropological Thought</td>
<td>3(3.0)</td>
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<td>ANT 4144</td>
<td>Prehistory of North America</td>
<td>3(3.0)</td>
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<td>ANT 4153</td>
<td>North American Archaeology</td>
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<td>ANT 4180C</td>
<td>Seminar in Laboratory Analysis</td>
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<td>ANT 4183</td>
<td>Archaeological Sciences</td>
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<td>ANT 4184</td>
<td>Mortuary Archaeology</td>
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<td>ANT 4266</td>
<td>Economic Anthropology: Production, Consumption, and Exchange</td>
<td>3(3.0)</td>
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<td>ANT 4303</td>
<td>Anthropology of Tourism</td>
<td>3(3.0)</td>
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<td>ANT 4352</td>
<td>People and Cultures of Latin America</td>
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<td>ANT 4352</td>
<td>African Societies and Cultures</td>
<td>3(3.0)</td>
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<td>ANT 4408</td>
<td>Culture, Disease, and Healing</td>
<td>3(3.0)</td>
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<td>ANT 4462</td>
<td>Medical Anthropology</td>
<td>3(3.0)</td>
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<td>ANT 4467</td>
<td>Nutritional Anthropology</td>
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<td>ANT 4516</td>
<td>Human Biological Diversity</td>
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<td>ANT 4521</td>
<td>Forensic Anthropology</td>
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<td>ANT 4525C</td>
<td>Human Osteology</td>
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<td>ANT 4828C</td>
<td>Advanced Forensic Anthropology</td>
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<td>ANT 5460</td>
<td>Anthropological Perspectives on Human Growth</td>
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<td>ANT 5486</td>
<td>Human Origins</td>
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<td>ANT 4702</td>
<td>Culture, Power and Development</td>
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<td>ANT 4802</td>
<td>Ethnographic Field Methods</td>
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<td>ANT 4824</td>
<td>Advanced Archaeological Fieldwork</td>
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<td>APA 3471</td>
<td>Accounting for Engineers</td>
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<td>APK 2131C</td>
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<td>APA 3471</td>
<td>Triathlon Training and Performance</td>
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<td>APA 3400</td>
<td>Sports Psychology</td>
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<td>ARA 1120C</td>
<td>Elementary Arabic Language and Civilization</td>
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<td>ARA 1120H</td>
<td>Elementary Arabic Language and Civilization I</td>
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<td>ARA 1121C</td>
<td>Elementary Arabic Language and Civilization I</td>
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<tr>
<td>ARA 2200</td>
<td>Intermediate Arabic Language and Civilization</td>
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</table>
UCF Courses and Descriptions

ARA 2201 CAH-LANG 3(3,0)
Intermediate Arabic II: PR: ARA 2200 or equivalent or C.I. Architecture of ARA 2200 with emphasis on Arabic cultures. Fall, Spring.

ARC 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. Continued investigation of computer-aided design programs currently utilized by professional practices. Odd Spring.

ARC 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.

ARC 3321L CAH-CAH 6(0,9)

ARC 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.

ARC 3503 CAH-CAH 3(3,0)
Architectural Structures 2: CR: ARC 3320L. Principles of structural behavior in resisting gravity and lateral forces. Consider structural layout, load distribution, and preliminary design techniques; and examines contemporary structural systems through case studies. Even Fall.

ARC 3610 CAH-CAH 3(3,0)

ARC 3743 CAH-CAH 3(3,0)
Architectural History 3: CR: ARC 3320L. Social, political, material, technological, and cultural forces on design and construction from 1850, including architecture's role in civil society and theoretical positions of architects and architectural schools. Even Fall.

ARC 4220 CAH-CAH 3(3,0)
Architectural Theory 2: CR: ARC 4322L. Investigates the theoretical, historical and ideological ideas in architecture that took place during the early decades of the twentieth century. Odd Fall.

ARC 4322L CAH-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.

ARC 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.

ARC 4620 CAH-CAH 3(3,0)

ARE 2000 ED-CFC 3(3,0)
Early Childhood Art and Creativity: An examination of developmental patterns in children's artistic behaviors and appropriate instructional strategies to be implemented. Occasional. M&S fee $5.00

ARE 2944 CAH-SVAD 3(2,3)
Community Arts Practicum: PR: C.I. A supervised experience to facilitate art programming in a variety of community settings. Occasional.

ARE 4250 ED-TL&L 3(3,0)
Art for Exceptionalities: PR: EDG 4323 and at least junior standing or C.I. Principles, methods and methods of integrating art processes into the education of students with physical, emotional, and mental disabilities. Occasional.

ARE 4262 CAH-SVAD 3(3,0)
Methods in Art Administration: PR: ARH 3820. Theories and methodologies for designing, implementing and administering art programs for a variety of populations. Occasional.

ARE 4313 ED-TL&L 1(1,0)
Art in the Elementary School: PR: EDF 2050; CR: MUE 3210, HLP 4722, RED 4519, MAE 4326, 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-TL&L 3(2,1)
Teaching Art in the Elementary School: PR: EDF 4214 and EDG 4323. Transition from university art studio practices to public school teaching of art. Organizing, designing and analyzing art experiences, activities and classroom environments for the elementary school classroom. Fall; M&S fee $5.00

ARE 4352 ED-TL&L 2(2,1)
Teaching Art in the Secondary School: PR: EDF 4214 and at least junior standing or C.I. An examination of art programs and teaching strategies for secondary school. Transition from university art studio practices to High School Teaching of art. Organizing, designing and analyzing art experiences and activities appropriate for junior high and high school children. Examination of teaching methodology relative to the high school and junior high school settings. Spring; M&S fee $5.00

ARE 4356 ED-TL&L 3(3,1)
Teaching Art Appreciation & Criticism in the Classroom: PR: 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-TL&L 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 the appropriateness and productive qualities. May be repeated for credit. Spring; M&S fee $5.00

ARE 4945 CAH-SVAD 12(0,12)
Community Arts Internship: PR: C.I. An on-site in-depth experience for community arts majors with a concentration in administration, education, or therapeutic experience. Occasional.

ARE 5251 ED-TL&L 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 5256 ED-TL&L 3(2,1)
Arts in Recreation: Art activities and experiences appropriate for use in playground, leisure services, occupa- tional orientation and other recreational areas. Occasional.

ARE 5359 ED-TL&L 4(4,0)
Teaching Art K-12: PR: Admission to MA in Art Education, graduate standing or C.I. Transition from university art practices to public school teaching of art. Organize, design, and analyze art learning for students K-12. Occasional. M&S fee $5.00

ARE 5454 ED-TL&L 3(3,0)
Studio Experiences in Art Education: PR: Graduate admission or C.I. Materials available for instruction in public schools will be explored in depth in relation to their appropriateness and productive qualities. May be repeated for credit. Spring; M&S fee $5.00

ARE 5648 ED-TL&L 3(3,0)
Contemporary Visual Arts Education: PR: ARE 4447 or C.I. Visual Arts Education course work and permission to take course. Occasional.

ARH 2050 CAH-SVAD 3(3,0)
History of Western Art I: Painting, sculpture and architecture from the Prehistoric Era through the Renaissance. Occasional.

ARH 2050H CAH-SVAD 3(3,0)
Honors History of Western Art I: PR: Permission of Honors. Painting, sculpture and architecture from the Prehistoric Era through the Renaissance, with honors content. Occasional.

ARH 2051 CAH-SVAD 3(3,0)
History of Western Art II: Painting, sculpture and architecture from the Baroque through the 20th century. Fall, Spring.

ARH 2051H CAH-SVAD 3(3,0)
Honors History of Western Art II: PR: Permission of Honors. Painting, sculpture and architecture from the Baroque through the 20th century, with honors-level content. Occasional.

ARH 2500 CAH-SVAD 3(3,0)
History of Non-Western Art: Major visual arts in various non-Western cultures. Fall, Spring.

ARH 3454 CAH-SVAD 3(3,0)
 Happenings and Conceptual Art: PR: Junior Standing or C.I. Aesthetic and social significance of "Total Art" in its attempt to break down customary distinctions between life and art. Occasional.

ARH 3471 CAH-SVAD 3(3,0)
Art in the Last 25 Years: PR: ARH 2050 and ARH 2051 or C.I. A seminar for upper-level art students to examine current trends in the visual arts. Occasional.

ARH 3520 CAH-SVAD 3(3,0)
African Art: PR: Junior status, ARH 2050, or C.I. An examination of art objects produced in Africa and African sites; with some consideration of art of the African Diaspora. Occasional.

ARH 3570 CAH-SVAD 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-SVAD 3(3,0)
American Art: PR: ARH 2050 and ARH 2051 or C.I. Surveys American Art to 1900. Leading artists are identified and representative examples of their work are discussed within the context of major themes, patterns, sources. Occasional.

ARH 3631 CAH-AAS 3(3,0)

ARH 3632H CAH-SVAD 3(3,0)

ARH 3670 CAH-SVAD 3(3,0)
20th Century Latin American Art: PR: ARH 2050 and ARH 2051 or C.I. Art of the modern era (1820 to 1980) in the Caribbean and South America; issues and characteristics of art as they reflect the cultural evolution of Latin America. Occasional.

ARH 3673 CAH-SVAD 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-SVAD 3(3,0)
<table>
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<th>Course Code</th>
<th>Course Name</th>
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<th>Hours</th>
<th>PR:</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH 3683</td>
<td>CAH-SVAD 3(3,0) Southern Folk Arts: PR: Junior Standing or C.I. This course will explore contemporary issues related to folk art including definition, collecting, marketing, art criticism, tradition, innovation, and its relationship to the so-called fine arts and popular arts. Occasional.</td>
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<tr>
<td>ARH 3710</td>
<td>CAH-SVAD 3(3,0) History of Photography I: PR: Junior Standing or C.I. History of still photography from its earliest inception to 1900. The content of this course is designed for art majors. Occasional.</td>
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<tr>
<td>ARH 3713</td>
<td>CAH-SVAD 3(3,0) 20th Century Photographic History: PR: Junior Standing. The history of the evolution of still photography from the early 20th Century to contemporary practice. Occasional.</td>
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<td>ARH 3720</td>
<td>CAH-SVAD 3(3,0) History of Prints: PR: ARH 2050 and ARH 2051 or C.I. History of printmaking in the Western world, surveying works by the “great printmakers.” Occasional.</td>
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<td>ARH 3728</td>
<td>CAH-SVAD 3(3,0) History of Illustration: PR: ARH 2050 and ARH 2051. Western illustration from ancient and medieval manuscripts through nineteenth century cartoon, caricature, book, magazine illustration, and advertising. Occasional.</td>
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<td>ARH 3820</td>
<td>CAH-SVAD 3(3,0) Visual Arts Administration Vitas: PR: Junior Standing or C.I. Graduation Vitas: Personnel, copyright laws, museum practices, etc. Occasional.</td>
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<tr>
<td>ARH 3842</td>
<td>CAH-SVAD 3(3,0) Art History Abroad: Italy: PR: ARH 2050 and ARH 2051 or C.I. Meets in Italy and explores Italian art, architecture, artists, patrons, and culture from the Roman period through the late Baroque. Occasional.</td>
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<td>ARH 4130</td>
<td>CAH-SVAD 3(3,0) Greek Art and Architecture: PR: ARH 2050 and ARH 2051. Examines the art and architecture of ancient Greece from the Bronze Age through the end of the Hellenistic period. Occasional.</td>
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<td>ARH 4150</td>
<td>CAH-SVAD 3(3,0) Roman Art and Architecture: PR: ARH 2050 and ARH 2051. Examines Roman art and architecture from its Etruscan origins through Constantine. Occasional.</td>
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<td>ARH 4200</td>
<td>CAH-SVAD 3(3,0) Medieval Art: PR: ARH 2050 and ARH 2051. Medieval Art from the 6th through 14th centuries, including painting, architecture, sculpture and illuminated manuscripts. Occasional.</td>
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<td>ARH 4310</td>
<td>CAH-SVAD 3(3,0) Italian Renaissance Art: PR: ARH 2050 and ARH 2051 or C.I. Italian Art and architecture from 1300 to 1600. Occasional.</td>
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<tr>
<td>ARH 4350</td>
<td>CAH-SVAD 3(3,0) Baroque Art: PR: ARH 2050 and ARH 2051 or C.I. A study of European Art in the 17th and 18th centuries. Occasional.</td>
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<td>ARH 4352</td>
<td>CAH-SVAD 3(3,0) Italian Baroque Art: PR: ARH 2050 and ARH 2051. Examines the art and architecture of the Baroque period in Italy from 1600-1750. Occasional.</td>
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<tr>
<td>ARH 4430</td>
<td>CAH-SVAD 3(3,0) 19th Century Art: PR: ARH 2050 and ARH 2051. A survey of the trends and developments in art during the 19th century, including the art of America and of Western Europe. Occasional.</td>
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<td>ARH 4450</td>
<td>CAH-SVAD 3(3,0) 20th Century Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of the art from Fauvism, Futurism, Cubism to the art of the present. Occasional.</td>
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<tr>
<td>ARH 4540</td>
<td>CAH-SVAD 3(3,0) Art of India: PR: Junior Standing or C.I. Art and architecture of India from prehistoric times through the Gupta, Rajput, and Muslim periods. Occasional.</td>
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<tr>
<td>ARH 4653</td>
<td>CAH-SVAD 3(3,0) Meso American Art: PR: Junior Standing or C.I. A survey of the art of Mexico and Central America, from the Pre-Columbia, through the Spanish Colonial, to the 20th Century. Occasional.</td>
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<tr>
<td>ARH 4800</td>
<td>CAH-SVAD 3(3,0) Theory and Criticism of the Visual Arts: PR: ARH 2050 and ARH 2051 or C.I. Explores criteria of art criticism and theoretical approaches to art meaning through time; art examples from various periods/cultures. Occasional.</td>
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<tr>
<td>ARH 4871</td>
<td>CAH-SVAD 3(3,0) Women in Art: PR: ARH 2050 and ARH 2051 or C.I. A survey of women artists from ancient times to the present as well as a study of the role Aesthetics and Ideology have played in determining representations of women in art. Occasional.</td>
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<tr>
<td>ARH 5897</td>
<td>CAH-SVAD 3(3,0) Advanced Seminar in Art History: PR: ARH 2050 and ARH 2051 or C.I. Research methods on various topics including: major artist, monument, cultural period or theme. Occasional.</td>
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<tr>
<td>ARH 2100C</td>
<td>CAH-SVAD 3(3,0) Design Fundamentals-Two Dimensional: PR: C.I. Priority given to students whose major requires this course. Materials, processes, form. Emphasis on twodimensional design problems, including problems in black and white and basic color theory. Fall, Spring. M&amp;S fee $15.00</td>
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<tr>
<td>ARH 2101H</td>
<td>CAH-SVAD 3(3,0) Honors Design Fundamentals-Two Dimensional: PR: ART 2823. Priority given to students whose major requires this course. Emphasis on materials, processes, form. Emphasis on two-dimensional design problems, including problems in black and white and basic color theory with Honors content. Occasional.</td>
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<tr>
<td>ARH 2203C</td>
<td>CAH-SVAD 3(3,0) Design Fundamentals-Three Dimensional: PR: C.I. Priority given to students whose major requires this course. Basic three-dimensional design using the various sculptural media. Fall, Spring. M&amp;S fee $15.00</td>
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<tr>
<td>ARH 3161</td>
<td>CAH-SVAD 3(3,0) Mixed Media: PR: ART 2201C, ART 2202C, ART 2300C, ART 2301C. Concepts and techniques involving the creation of art objects by integrating painting, sculpture, drawing, design, and art history. Occasional.</td>
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<tr>
<td>ARH 3171C</td>
<td>CAH-SVAD 3(2,4) Advanced Issues in Contemporary Book Arts: PR: ART 2201C, ART 2202C, ART 2300C, ART 2301C, and ART 3170C. The creation of visual, illuminated responses to language from stories, fables, poetry, and books using a variety of media. Occasional. M&amp;S fee $45.00</td>
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<tr>
<td>ARH 3176C</td>
<td>CAH-SVAD 3(2,4) The Illustrated Book: PR: ART 2201C, ART 2300C, ART 2301C, ART 3170C. The creation of visual, illuminated responses to language from stories, fables, poetry, and books using a variety of media. Occasional. M&amp;S fee $45.00</td>
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<tr>
<td>ARH 3332C</td>
<td>CAH-SVAD 3(2,4) Intermediate Painting: PR: ART 2201C, ART 2202C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Intermediate problems in drawing, with emphasis on the human form. Fall, Spring.</td>
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<td>ARH 3433C</td>
<td>CAH-SVAD 3(2,4) Intermediate Ceramics: PR: ART 2201C, ART 2300C, ART 2400C. Techniques of ceramic design, experience in processes of forming, decorating, glazing, and firing pottery. Fall, Odd. M&amp;S fee $35.00</td>
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<td>ARH 3504C</td>
<td>CAH-SVAD 3(2,4) Intermediate Printmaking: PR: ART 2201C, ART 2202C, ART 2300C, ART 2301C. Provides students and materials content of ARC 2500C, and deals with issues of figurative painting. Fall, Even. M&amp;S fee $15.00</td>
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UCF Courses and Descriptions
ART 3616C
CAH-SVAD
3(3,0)
Animation Production Methods: PR: ART 2201C,
ART 2203C, ART 2300C, ART 2301C, C.I. The development of a computer animation piece. All aspects of production will be covered. May be repeated for credit. Occasional.
M&S fee $15.00

ART 4173C
CAH-SVAD
3(2,4)
The Artist Book: PR: ART 2201C and ART 2203C.
Definition of book from traditional hand-made to contemporary artist book. Redefining the elements, structure and
content of books and the binding and printing methods in
book production. Occasional. M&S fee $25.00

ART 4935
CAH-SVAD
3(3,1)
BFA Exhibit/Seminar: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, must complete Studio course for
BFA, and a satisfactory portfolio review or C.I. This course
is designed to prepare B.F.A. students for B.F.A. Exhibition.
Spring. M&S fee $15.00

ART 3618
CAH-SVAD
3(3,0)
Post-Production Design: PR: Sophomore Portfolio
and “C’” or better in FIL 3720C. Special effects and compositing for computer animation and film. Focus on the use of
After Effects, Premier and Photoshop software. Occasional.

ART 4174C
CAH-SVAD
3(2,4)
The Printed Book: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. Aesthetics of the printed
book including binding techniques to make artist books.
Occasional. M&S fee $23.00

ART 4945L
CAH-SVAD
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 3643C
CAH-SVAD
3(2,4)
Digital Effects & Compositing: PR: Sophomore
Portfolio and “C” or better in FIL 3720C. Special effects and
compositing for computer animation and film, focusing on
the use of After Effects, Premier and Photoshop or comparable software. Fall, Spring. M&S fee $45.00

ART 4177C
CAH-SVAD
3(2,4)
Commercial Book Design and Publishing: PR:
ART 2823 and Junior standing or C.I. Analysis of art and
design elements and their interpretation from a historical
perspective. Occasional.

ART 4954
CAH-SVAD
3(3,0)
Scotland Study Abroad: PR: ART 2823, ART
2201C, ART 2301C or C.I. Study abroad in Edinburgh,
Scotland. May be repeated for credit. Occasional.

ART 3709C
CAH-SVAD
3(2,4)
Intermediate Sculpture: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, ART 2701C, and successful portfolio review. Examines the concepts of threedimensional forms. Fall, Spring. M&S fee $45.00

ART 4226C
CAH-SVAD
3(3,3)
Post Production for Animators: PR: FIL 3734C.
Concepts and tools for finishing computer and traditional
animations on film and video. Emphasis on compositing tools to combine elements in a finished animation.
Occasional.

ART 3737C
CAH-SVAD
3(2,4)
Narrative Sculpture: PR: ART 2201C, ART 2203C,
ART 2300C, and ART 2301C. Aesthetics of sculpture
incorporating narrative content and referencing historical
contexts. May be repeated for credit. Occasional.

ART 4320C
CAH-SVAD
3(2,4)
Advanced Drawing: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3332C. May be repeated for
credit. Fall, Spring.

ART 3761C
CAH-SVAD
3(2,4)
Intermediate Ceramics: PR: ART 2201C, ART
2203C, ART 2300C and ART 2301C. Continuation of
ceramic processes. Fall, Spring. M&S fee $35.00

ART 4402C
CAH-SVAD
3(2,4)
Advanced Printmaking: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, and a satisfactory portfolio review or C.I. Advanced process in printmaking. May
be repeated for credit. Even Fall, Spring. M&S fee $30.00

ART 3764C
CAH-SVAD
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 4505C
CAH-SVAD
3(2,4)
Advanced Painting: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3504C, and a satisfactory
portfolio review or C.I. Advanced problems in painting. May
be repeated for credit. Fall, Spring. M&S fee $15.00

ART 3833C
CAH-SVAD
3(4,2)
Processes and Ideas in Art: PR: Junior Standing.
This course emphasizes the development of individual creativity and the generation of new insights concerning artistic
expression. These “formative activities” must be manifested
by students in the form of small sculptures and/or other
forms of creativity. Occasional.

ART 4634C
CAH-SVAD
3(3,1)
Web Art: PR: ART 2823 or C.I. The Web as a medium
for art. Occasional.

ART 3833C
CAH-SVAD
3(2,4)
Honors Processes and Ideas in Art: PR: Junior
Standing and Consent of Honors. Generation of new
insights concerning artistic expression with an emphasis
on the individual creation of visual art objects. With Honors
content. Occasional.

ART 4644C
CAH-SVAD
3(2,4)
Books Without Books: PR: ART 2201C, ART
2203C, ART 2300C, and ART 2301C. The use of technology for alternative presentation of sequential ideas in space
and time. May be repeated for credit. Occasional.
ART 4710C
CAH-SVAD
3(2,4)
Advanced Sculpture: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 2701C, and a satisfactory portfolio review or C.I. May be repeated for credit. Fall,
Spring. M&S fee $45.00

ART 3950
CAH-SVAD
0(0,0)
Portfolio Review: PR: ARH 2050, ARH 2051, ART
2823, ART 2201C, ART 2203C, ART 2300C, and ART
2301C. Determines competencies in studio foundations
work. Satisfactory completion of portfolio review is required
to enroll in upper division studio classes. Graded S/U. Fall,
Spring.

ART 4765C
CAH-SVAD
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 3951C
CAH-SVAD
3(2,4)
Interdisciplinary design course emphasizing visual literacy
skills and finished design projects with real world clients.
Course covers two and three dimensional design content.
Occasional.

ART 4780C
CAH-SVAD
3(2,4)
Kiln Design and Building: PR: ART 2201C, ART
2203C, ART 2300C, ART 2301C, ART 3761C, ART 4783C,
and a satisfactory portfolio review or C.I. The design and
construction of kilns, use of refractory materials, and the theory of efficient fuel combustion. Occasional. M&S fee $35.00

ART 4132C
CAH-SVAD
3(2,4)
Advanced Fiber And Fabrics: PR: ART 2201C,
ART 2203C, ART 2300C, ART 2301C, ART 2130C, and
a satisfactory portfolio review or C.I. Textile design and
production, including non-loom weaving processes. May be
repeated for credit. Occasional. M&S fee $5.00

ART 4783C
CAH-SVAD
3(2,4)
Advanced Ceramics: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3761C, and a satisfactory
portfolio review or C.I. Advanced problems in the ceramic
process. May be repeated for credit. Fall, Spring. M&S
fee $34.99

ART 4172C
CAH-SVAD
3(2,4)
Book Repair and Restoration: PR: ART 2201C,
ART 2203C, and ART 3170C. Mending, repairing, and
rebinding books from the Library and Special Collections.
Occasional.

ART 4786C
CAH-SVAD
3(2,4)
Ceramic Raw Material: PR: ART 2201C, ART 2203C,
ART 2300C, ART 2301C, ART 3761C, and a satisfactory
portfolio review or C.I. An in-depth understanding of the
singular and diverse properties of clay and glaze materials.
Occasional. M&S fee $35.00

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ART 4971
CAH-SVAD
3(2,4)
Senior Thesis: PR: Senior Standing, Art major, and
C.I. A capstone thesis for Art Animation majors. May be
repeated for credit. Occasional. M&S fee $45.00
ART 5109C
CAH-SVAD
3(2,4)
Multi-Cultural Crafts Design: PR: ART 2201C,
ART 2203C, ART 2300C, ART 2301C, graduate status
or senior standing, or C.I. The content of this course will
include an appreciation for and the production of Western
and Non-Western art forms. Occasional.
ART 5280C
CAH-SVAD
3(3,3)
Serial Content and Classic Form I: PR: Admission
to MFA. Studio course exploring serial imaging history, pictographs, alphabet development, typographic design, and
the computer as sequenced design concepts and tools.
Fall. M&S fee $45.00
ART 5284
CAH-SVAD
3(3,0)
Design Theory and Methods: PR: Admission to
MFA or C.I. Introduction to semiotic theory, communication
theory, perceptual codes, human factors and visual rhetoric.
Fall. M&S fee $45.00
ART 5670C
CAH-SVAD
3(2,4)
Digital Illustration: CR: ART 6683C. Methods and
media effects usually associated with traditional illustration
in a digital platform. Spring. M&S fee $45.00
ART 5694
CAH-SVAD
3(3,0)
Crosscultural Electronic Art and Design: PR:
Admission to MFA. Explores digital/electronic art and technology from mid-20th century to present. Explores key
electronic artists and issues of the “arts electronica” into the
present. Spring.
ART 5695
CAH-SVAD
3(3,0)
WebArt I: PR: Admission to MFA. Students will explore
the web and experiment with pertinent software, as well as
design and implement websites. Projects will be determined
at the outset of each semester. Spring. M&S fee $45.00
ART 5696
CAH-SVAD
3(3,0)
Art, Design and Human Interactions: PR:
Admission to MFA. Exploration and design of interface
interactions systems and technologies in contemporary
society and culture including place making, way finding,
electronic interface design, and publication design. Spring.
ART 5698
CAH-SVAD
3(3,0)
Concourse I: PR: ART 5910 and ART 5280C and ART
5694, or C.I. Digital reproduction of studio works. Fall. M&S
fee $45.00
ART 5745
CAH-SVAD
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-SVAD
3(3,1)
The Professional Practice of Art: PR: ART
2201C, ART 2203C, ART 2300C, ART 2301C (no graduate level prerequisite), graduate status or senior standing,
or C.I. Seminar class on political information pertaining to
professional practices in the art world. Overview of inventory processing, accounting, and the marketing of art. Fall.
M&S fee $45.00

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ART 5910 CAH-SVAD  3(3,0)
Studio Concentration I: PR: Admission to MFA. Course work will primarily be 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-SVAD  3(3,0)

ART 5941 CAH-SVAD  1(1,0)
Graduate Practicum I: PR: Web Art I, graduate status, or C.I. Candidates with cross-disciplinary interests will discuss and analyze issues in digital art making via the internet. Students will use this information to develop projects in their specialization. Occasional.

ASH 3222 CAH-HIST  3(3,0)

ASH 3232 CAH-HIST  3(3,0)
The 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)

ASH 4304 CAH-HIST  3(3,0)

ASH 4402 CAH-HIST  3(3,0)

ASH 4404 CAH-HIST  3(3,0)
China in 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. The Mongols in China; coming of the Europeans; social structure; Communist movement; Japanese aggression. Occasional.

ASH 4442 CAH-HIST  3(3,0)
Modern Japan, 19th and 20th Centuries: PR: EUH 2000 and 2001 or C.I. A survey of the Tokugawa Shogunate; Western contact in the 19th century; World War II; Japanese militarism; World War II; and U.S. occupation. Occasional.

ASH 5227 CAH-HIST  3(3,0)
The Arab-Israel Conflict: PR: Graduate status or senior standing or C.I. This course examines the history of the Arab-Israel conflict, placing particular emphasis on its origins in 19th century imperialism and Zionism. Occasional.

ASH 5229 CAH-HIST  3(3,0)
History of the Middle East: 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: PR: Admission to ASL degree program. Culture, literature, research examined. Fall, Spring.

ASL 2150 HPA-COM SC&DIS  4(4,0)
Intermediate American Sign Language: PR: ASL 2140. Expansion of ASL vocabulary with increased development of knowledge concerning Deaf culture. Fall, Spring.

ASL 2510 HPA-COM SC&DIS  3(3,0)
Issues of Deafness: PR: Admission to MFA. Culture of deafness issues on individual, family and social problems in the deaf com- munity and culture, including historical and changing attitudes toward persons and disabilities. Occasional.

ASL 3444 HPA-COM SC&DIS  3(3,0)

ASL 4161C HPA-COM SC&DIS  4(3,1)

ASL 4201 HPA-COM SC&DIS  4(4,0)
American Sign Language IV: PR: ASL 4161C or consent of instructor. Advanced study in complex grammar, facial expression, metaphorical and idiomatic vocabulary, emphasizing non-rooted, conversational, spontaneous signed sentences, “reading” signed phrases and sentences. Occasional.

ASL 4301 HPA-COM SC&DIS  3(3,0)
Structure of American Sign Language: PR: ASL 2140 and ASL 2150 or C.I. Study of phonology, syntactic, semantic, and discourse structure of ASL, including an emphasis on the biological basis of language and communication. Occasional.

ASL 4435 HPA-COM SC&DIS  3(3,0)
Fingerspelling: PR: ASL 2140 and ASL 2150 or C.I. The study and practice of fingerspelling techniques to improve receptive and expressive fingerspelling proficiency beyond basic skill levels. Occasional.

ASL 4700 HPA-COM SC&DIS  3(3,0)
Literature of Signed Languages: PR: ASL 2510. Overview of literature produced by Deaf communities across the world, with emphasis on the American Deaf Community. Genres include poetry, narrative, historical and cultural prose. Occasional.

AST 2002 COS-PHYS  3(3,0)
Astronomy: PR: High school algebra or MAC 1105C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Odd Fall.

AST 3211 COS-PHYS  3(3,0)

AST 3402 COS-PHYS  3(3,0)
Galaxies and Cosmology: PR: AST 2002 and PHY 2048C. Study of the different types of galaxies, their evolution, their relationship to active galaxies and quasars, and the evolution of the universe. Even Fall.

AST 3722C COS-PHYS  3(3,0)

ART 4142 COS-PHYS  3(3,0)

ART 4152 COS-PHYS  3(3,0)

ART 4501 COS-PHYS  3(3,0)

ART 4700 COS-PHYS  3(3,0)

AST 4762C COS-PHYS  3(3,1)
Astronomical Data Analysis: PR: MAC 2313, ability to write simple computer programs, and an upper level course in astronomy or planetary science, or C.I. Astronomical data formation and acquisition, detector phys- ics, measurement extraction, error analysis, modeling, computer programming, statistical interpretation, and written and oral presentation of results. Fall.

ART 5154 COS-PHYS  3(3,0)
Advanced Planetary Geophysics: PR: Admission to Physics MS or PhD or C.I. The physics of planetary evo- lution, planetary interiors, and planetary surface processes. Even Fall.

AST 5165 COS-PHYS  3(3,0)
Planetary Atmospheres: PR: PHY 3200 and PHY 3101, graduate status or senior standing, or C.I. This course will examine the physical and chemical processes that gov- ern the behavior of the atmosphere of Earth and the other planets. Even Spring.

AST 5263 COS-PHYS  3(3,0)
Advanced Observational Astronomy: PR: Graduate standing in the Physics department or C.I. Experimental design and experimental techniques in astro- physics: spherical astronomy, physics of telescopes and of common astronomical detectors; error analysis. Even Spring.

AST 5334 COS-PHYS  3(3,0)
Extrasolar 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.
UCF Courses and Descriptions

AST 5765C COS-PHYS 3(3,1) Advanced Astronomical Data Analysis: PR: Majors in Astronomy or 3000 or higher course in Astronomy or planetary science, ability to write simple computer programs, or C.I. Advanced astronomical data formation and acquisition, detector physics, measurement extraction, error analysis, data/modeling, computer programming, statistics, interpretation, and written and oral presentation of results. Fall.


ATR 3012C HPA-HP 2(1,1) Clinical Skills for Athletic Trainers I: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills including functional knowledge of lower extremity/tendon muscle, tendon, and ligament anatomy; advanced taping and bracing skills; and clinical assessment of general medical conditions. Fall. M&S fee $30.81

ATR 3013C HPA-HP 2(1,1) Clinical Skills for Athletic Trainers II: PR: ZOO 3733C or ZOO 3736C, and Athletic Training majors only or C.I. Clinical skills, including functional knowledge of upper extremity muscle, tendon, ligament anatomy; advanced taping and bracing skills; and pharmacological interventions. Spring. M&S fee $15.00


ATR 3024C 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.

ATR 3212C HPA-HP 2(2,2) Recognition and Evaluation of Athletic Injuries I: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the lower extremity and spine and provide immediate management. Fall.

ATR 3312C HPA-HP 3(2,1) Injury, Management, and Rehabilitation: PR: ZOO 3733C or ZOO 3736C; COMP Students only. PR: Recognition and management of common injuries found in active populations. Therapeutic modalities and therapeutic exercises are integrated throughout the course. Fall.

ATR 3812L HPA-HP 4(0,16) Practicum in Athletic Training I: PR: ATR 3102. Clinical introduction to an athletic training site under direct supervision of a certified athletic trainer. Fall, Spring.

ATR 3822L HPA-HP 4(0,16) Practicum in Athletic Training II: PR: ATR 3812L. Continuation of clinical practicum under direct supervision of certified athletic trainer. Fall, Spring.

ATR 4014C HPA-HP 3(2,2) Introduction to Athletic Training: PR: Athletic Training majors only or C.I. Basic athletic training skills including emergency care, taping and wrapping, goniometry and manual muscle testing. Occasional. M&S fee $33.50

ATR 4013 HPA-HP 3(3,0) Sports Medicine Field Application: Demonstration and application of the treatment for various sports injuries. Spring.

ATR 4132 ED-CFCFS 3(3,0) Human Injuries: Mechanisms & Prevention: PR: Admission to Sport and Fitness program. PR: ATR 2010C and ZOO 3736C, PET 4312C (all required); or C.I. Study of human movement and analysis of techniques for the prevention and treatment of human injuries associated with sport and fitness. Fall, Spring.

ATR 4213C HPA-HP 3(2,2) Recognition and Evaluation of Athletic Injuries II: PR: ATR 3102. Recognition and evaluation skills required to perform an injury/illness assessment of the upper extremity, head and neck, and general medical conditions and provide immediate management. Spring.


ATR 4313C HPA-HP 4(2,4) Therapeutic Exercise in Athletic Training: PR: ATR 3212C. Rehabilitation exercises processes regarding exercise progression for athletic injury. Fall.

ATR 4512C HPA-HP 3(3,0) Organization and Administration of Athletic Training: PR: ATR 3203C. Administrative knowledge in the athletic training profession. Fall.

ATR 4832L HPA-HP 4(0,16) Practicum in Athletic Training III: PR: ATR 3822L. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

ATR 4842L HPA-HP 4(0,16) Practicum in Athletic Training IV: PR: PET 4672C. Advanced clinical internship with increased responsibilities under the supervision of a certified athletic trainer. Fall, Spring.

BOT 3152C COS-BIOL 3(1,4) Local Flora: PR: BSC 2010C and BSC 211C, or C.I. Recognition and identification of Florida higher plants, especially those common to central Florida, stressing environmental and ethobotanical significance. Weekend field trips may be required. Occasional.

BOT 3802 COS-BIOL 3(3,0) Ethnobotany: PR: BSC 2101C or C.I. Historical and modern uses of plants economically important in various cultures. Spring.

BOT 3820C COS-BIOL 3(2,1) Plants and the Urban Environment: PR: Junior standing or C.I. The selection, propagation, and care of ornamental plants in residential and industrial areas. For non-majors only. Occasional. M&S fee $15.00


BOT 4223C COS-BIOL 4(3,3) Plant Anatomy: PR: BSC 2101C and BSC 211C, or C.I. A study of development, structure and function of the principal organs and tissue of vascular plants. Occasional. M&S fee $15.00

BOT 4303C COS-BIOIL 5(3,6) Plant Kingdom: PR: BSC 2101C and BSC 2111C, or C.I. A survey of the plant kingdom utilizing comparative morphology, structure and functions to demonstrate relationships among extant and extinct forms. Occasional. M&S fee $40.00

BOT 4434C COM-MSM 4(3,1) General Mycology: PR: BSC 2010C, MCB 3202C or BSC 2111C. This course is a survey of the Kingdom Fungi, covering the major topics of fungal diversity, structure, genetics, physiology, practical applications and pathogenicity. Occasional.

BOT 4503 COS-BIOL 3(3,0) Plant Physiology: PR: PCB 3023 or C.I. A study of mechanisms used by plants to cope with the environment. Occasional.

BOT 4505L COS-BIOL 1(0,3) Plant Physiology Laboratory: CR: BOT 4503. The laboratory to accompany BOT 4503. Occasional. M&S fee $15.00

BOT 4688C COS-BIOL 4(3,3) Conservation and Management of Native Plants: PR: BOT 4713C, PCB 3044 and/or BOT 4503 or C.I. Identification, conservation, propagation and management of Florida rare, endangered, indicator or reclamation species. Occasional.

BOT 4713C COS-BIOL 5(3,6) Plant Taxonomy: PR: BSC 2101C and BSC 211C, or C.I. Systematic classification and identification of vascular plants, with emphasis on the flora of peninsular Florida. Occasional. M&S fee $45.00

BOT 4859C COS-BIOL 3(3,0) Medicinal Botany: PR: BSC 211C, or C.I. The medicinal properties of plants and their role in both traditional and modern medicine; history of herbal medicine and alternative medicinal practices around the world. Even Fall.

BSC 1005 COS-BIOL 3(1,4) 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) Biological Principles-Honors: PR: Permission of Honors. Biological factors that affect dependence on the environment; the role of human population preserving ecological integrity. Occasional.

BSC 1005L COS-BIOL 1(0,2) Biological Principles-Laboratory: CR: BSC 1005. The laboratory to accompany BSC 1005. Fall, Spring. M&S fee $15.00
BSC 1050 COS-BIOL 3(3,0) 
Biology and Environment: Biological implications of the interaction among human society, population, and technology in relation to the environment and natural systems. Designed for non-majors. Occasional.

BSC 1050H COS-BIOL 3(1,4) 

BSC 1050L COS-BIOL 1(0,2) 
Biology and Environment Laboratory: CR: BSC 1050. The laboratory to accompany BSC 1050. Occasional. M&S fee $15.00

BSC 2010C COS-BIOL 4(3,2) 
Biology: PR: High school biology or C.I. Open only to students whose major requires this specific course. Cellular and chemical basis of life, genetics, and the theory of evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $15.00

BSC 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 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. Preference will be given to students whose program requires this course. Continuation of BSC 2010C. Organismal anatomy and physiology as it relates to biodiversity, ecology and evolution. Emphasis on problem solving, analysis, synthesis of information, and applying data effectively. Fall, Spring. M&S fee $20.00

BSC 2011H COS-BIOL 4(2,6) 
Honors Biodiversity: PR: Permission of Honors and BSC 2010H or C.I. BSC 2011C for honors students; enhanced by considerable field work, a CD-ROM "text," relevant video programs and readings written by authorities in the field. Occasional.

BSC 2420 COM-M&M 3(3,0) 

BSC 3403C COM-M&M 4(3,4) 
Quantitative Biological Methods: PR: BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents modern methods and instrumentation used in quantitative biological experimentation. Fall, Spring, M&S fee $59.00

BSC 3403H COM-M&M 4(3,4) 
Quantitative Biological Methods-Honors: PR: Consent of Honors, BSC 2010C, MCB 3020C, CHM 2046. A laboratory course which presents the concepts, modern methods, techniques and instrumentation used in quantitative biological and molecular biological experimentation. Honors level content. Fall.

BSC 3424 COM-M&M 3(3,0) 
Nanobiotechnology: PR: MCB 1310, and either CHM 2046 or PHY 2500H. Biological processes in nanoscale 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(3,3) 
Marine Biology: PR: PCB 3044 and STA 2023. The biological, ecological, and chemical aspects of the world's oceans. Even Spring. M&S fee $45.00

BSC 4330 COS-BIOL 3(3,0) 
Invasion Biology: PR: PCB 3044 and PCB 4683, or C.I. General principles of invasion ecology. The study of addition of species into ecosystems as it provides insights into basic ecological and evolutionary questions. Even Spring.

BSC 4422L COS-BIOL 1-(4,3-12) 
Biology Laboratory Techniques: PR: PCB 3044, CHM 2210, or C.I. Individual and small group instruction in current laboratory techniques beyond the scope of typical Biology laboratories. Graded S/U. May be repeated for credit. Occasional.

BSC 4434 COM-M&M 3(3,0) 
Biomedical Informatics: Sequence Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on sequence analysis. Fall.

BSC 4439 COM-M&M 3(3,0) 
Biomedical Informatics: Structure Analysis: PR: PCB 3522 or PCB 3023 or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. Spring.

BSC 4454 COS-BIOL 2(2.0) 
Research in Animal Physiology: PR: PCB 4472. 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) 
Biogeography: PR: PCB 3063 and PCB 4683 or ZOO 410C or C.I. Study of geographic variation in nature, ranging from past to present and genes to ecosystems. Occasional.

BSC 4861L COS-BIOL 3(0,3) 
SL Sustainability: Socially & Economically Viable Environmental Protection: PR: BSC 2010C or C.I. A service-learning course utilizing an interdisciplinary approach to developing models and implementing programs designed to result in environmental sustainability. Occasional.

BSC 4897 COS-BIOL 2(0.0) 
Instructional Experiences in Undergraduate Biology: PR: PCB 3063. Biology major with 80 semester hours and 3.0 GPA. Preparation of undergraduate students to more effectively learn biological concepts by facilitating learning in a variety of university biology labs. May be repeated for credit. Graded S/U. Fall, Spring.

BSC 5258L COS-BIOL 3(3.0) 
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 5322 COS-BIOL 3(3.0) 
Invasion Biology: PR: PCB 3044 or C.I. The three stages of biological invasion (introduction, establishment and spread) as well as impacts on native species and ecosystems. Even Spring.

BSC 5408L COS-BIOL 3(0.9) 
Advanced Biology Laboratory Techniques: PR: BS degree, C.I. This course will emphasize those biological 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 COM-M&M 3(3,0) 
Tissue Engineering: PR: Graduate standing. Introduction to tissue engineering with a special emphasis on the current status of the field, on novel methods and on cell biomaterial interactions. Occasional.

BSC 5436 COM-M&M 3(3,0) 
Biomedical Informatics : Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of bioinformatics tools and resources on RNA and protein structure analysis. Fall.

BSC 5824 COS-BIOL 4(4,0) 
Biogeography: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of geographic variation in nature, ranging from past to present and from genes to ecosystems. Occasional. M&S fee $15.00

BTE 4410 ED-E&H 3(3,0) 
Course Construction in Business Education: PR: ECT 3365 or C.I. An overview and examination of business curriculum and methodology integrated into the workforce frameworks. Planning and preparation of materials, managing the laboratory and involvement in career & technical student organizations. Occasional.

BUL 3130 BA-ACCT 4(4,0) 
Legal and Ethical Environment of Business: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including contract law, torts, and ethical consideration. Fall, Spring.

BUL 3130H BA-ACCT 4(4,0) 
Legal & Ethical Environment of Business - Honors: PR: Junior standing and business major or minor, permission of Honors. Analysis of the law as a dynamic social and political institution in the business environment, including ethical considerations with honors level content. Occasional.

BUL 4540 BA-MAN 3(3,0) 

BUL 5332 BA-ACCT 3(3,0) 
Advanced Business Law Topics: PR: Admission to graduate program, or Management major or minor in term of graduation. BUL 3130. Advanced business law topics including coverage of the Uniform Commercial Code, torts, commercial paper, and secured transactions. Fall, Spring.

BUL 5810 BA-ACCT 3(3,0) 
Legal and Social Environment of Business: PR: Admission to graduate program. Analysis of the legal and political environment of business, the effects of legislation and regulation on business activity, and the role of law and ethics in the decision-making process. Occasional.

CAP 4053 ECS-CS 3(3,0) 
AI for Game Programming: PR: COP 3960 or COP 3502C or C.I. Surveys cutting-edge AI techniques for video games and board games and contrasts them with more traditional approaches. Spring.

CAP 4104 ECS-CS 3(3,0) 
Human and Technology Interaction: PR: COP 3330 and COP 3502C. Perceptual, cognitive, affective, social, organizational, commercial, and cultural factors. Disciplines, techniques and methodologies. Web, mobiles, and wearables. Embodied conversational agents. Elderly, disabled and special needs. Fall.

CAP 4453 ECS-CS 3(3,0) 

CAP 4630 ECS-CS 3(3,0) 
UCF Courses and Descriptions

CAP 4720 ECS-CS 3(3,0) Computer Graphics: PR: COP 3503C and COT 3660 and MAC 2247 or equivalent. Math for computer graphics, visibility and shading, graphics and data structure, curves and surfaces, commodity graphics hardware, and graphics API. Occasional.

CAP 5015 ECS-CS 3(3,0) Multimedia Compression on the Internet: PR: Senior or graduate students with interest in computer science. Introduction to multimedia compression, compression methods, entropy coding, vector quantization, motion compensation, video streaming, web-based video compression, model-based compression. Occasional.

CAP 5055 ECS-CS 3(3,0) Al 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/or approval of the Director of the Software Engineering Certificate Program. A survey of available tools for creating and maintaining Web sites, and methodologies for determining which tools are best suited for a particular application environment. Fall.

CAP 5100 ECS-CS 3(3,0) Human-Computer Interface Design: PR: COP 4331C, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Focuses on dynamics of human-computer interaction. Provides a comprehensive overview of HCI design as a software discipline. Features a user-centered approach to Web-based application design. Fall.

CAP 5145 ECS-CS 3(3,0) Computer Vision: PR: COP 3503C, MAC 2247, and COT 3660. Image formation, binary vision, region growing and edge detection, shape representation, dynamic scene analysis, texture and range images, and knowledge representation. Occasional.

CAP 5510 ECS-CS 3(3,0) Bioinformatics: PR: Background in programming language or molecular biology. This course introduces databases, concepts, algorithms, and applications in Bioinformatics. It covers essential topics such as sequence alignment and prediction of gene and protein structure. Occasional.

CAP 5512 ECS-CS 3(3,0) Evolutionary Computation: PR: CAP 4630 or C.I. This course covers the field of evolutionary computation, focusing on the theory and application of genetic algorithms. Spring.


CAP 5725 ECS-CS 3(3,0) Computer Graphics I: Architecture of graphics processors; display hardware; principles of programming and display software; problems and applications of graphic systems. Spring.


CCE 4003 ECS-CECE 3(3,0) Introduction to the Construction Industry: PR: EGN 3613, ENV 3001, EGN 3310 all with a grade of "C" (2.0) or better; CR: CWR 3201. Project delivery systems, construction contract estimating and scheduling, ethics and labor issues. Multi-disciplinary experience in engineering. Fall, Spring.

CCE 4004 ECS-CECE 3(3,0) Construction Methods: PR: CES 4100C with a grade of "C" (2.0) or better. Focus on methods of civil and structural systems, design of temporary structures, safety and building codes. Spring.

CCE 4034 ECS-CECE 3(3,0) Construction Estimating and Scheduling: PR: CCE 4003 with a grade of "C" (2.0) or better. Construction project estimating and bidding and the preparation of construction schedules, followed by in-depth coverage of time and cost control, and risk management. Fall.

CCE 4402 ECS-CECE 3(3,0) Construction Equipment and Productivity: PR: CCE 4503, CWR 3201 both with a grade of "C" (2.0) or better. Selection of appropriate equipment based on operational parameters, principles of construction productivity measurement and analysis, process design, and discrete event simulation. Spring.

CCE 4810C ECS-CECE 3(2,2) Construction Design Project: PR: CCE 4034, CCE 4004, CCE 4813 all with a grade of "C" (2.0) or better, and department consent; CR: CCE 4402. The preparation and development of a proposal and plan for a construction project, including construction estimating, site facilities, construction methods, coordination, leadership, and control. Fall, Spring.

CCE 4813 ECS-CECE 4(4,0) Mechanical and Electrical Systems for Buildings: PR: CCE 4810C. This course focuses on mechanical and electrical systems for buildings. Fall.

CCE 5006 ECS-CECE 3(3,0) Introduction to Construction Industry: PR: Post-bacc status or C.I. This course introduces students to the construction industry. Topics include project evaluation, project phases, project delivery systems, contracts, estimating and schedule drawing and specifications. Research paper required. Occasional.

CCE 5036 ECS-CECE 3(3,0) Construction Estimation and Scheduling: PR: C.I. Provides students with an understanding of estimating and scheduling of construction projects. Topics include detailed estimates, scheduling and project control. Research paper required. Occasional.

CCE 5205 ECS-CECE 3(3,0) Construction Methods: PR: Post-bacc status or C.I. This class covers construction project evaluation principles along with construction methods for civil and structural systems. Occasional.


CCE 5815 ECS-CECE 4(4,0) Mechanical and Electrical Systems for Buildings: PR: C.C. This course covers the design and construction of mechanical and electrical systems for buildings. Research paper required. Occasional.

CCJ 3014 HPA-CJ 3(3,0) Crime in America: A survey of crime and criminality in the United States, with emphasis on crime data, its weakness, and types of criminal behavior. Fall, Spring.

CCJ 3024 HPA-CJ 3(3,0) Criminal Justice System: An examination of the components and of their interdependence in light of their traditional autonomy. Fall, Spring.


CCJ 3450 HPA-CJ 3(3,0) The Criminal Justice Manager: PR: CCJ 3024 or C.I. Focus on management 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 3(3,0) Justice System Technology: PR: CCJ 3024 or C.I. Examination of the relevance of scientific and technological developments to justice systems and their applicability to the operations and management of the systems. Occasional.

CCJ 3483 HPA-CJ 4(4,0) Labor Relations in Criminal Justice: PR: CCJ 3024 and CCJ 3450 or C.I. Examine the role of public sector labor relations in criminal justice to include management-employee relationships, collective bargaining process, employee organizations, and federal-state laws. Occasional.

CCJ 3661 HPA-CJ 3(3,0) Victims and the CJ System: PR: CCJ 3024. Course examines Victoms as they affect the Criminal Justice system, the dimensions of criminal victimization, and victim offender programs. Occasional.

CCJ 4035 HPA-CJ 3(3,0) Crime and the Media: PR: CCJ 3024 or C.I. Explore how the criminal justice system, criminals, and crime are portrayed in the media and its impact on society and the criminal justice system. Fall, Spring.

CCJ 4054 HPA-CJ 3(3,0) Criminal Justice Ethics: Focuses on the ethical issues and problems commonly encountered in the criminal justice system (policy courts and corrections). Occasional.

CCJ 4064 HPA-CJ 3(3,0) Criminal Justice Dimensions of Genocide: PR: CCJ 3014 or C.I. Elements of Criminal Justice approach to genocide, including theories, precursors, case studies, organization, legal outcomes, and criminal justice majors' roles in studying and preventing genocide. Occasional.

CCJ 4076 HPA-CJ 3(3,0) Crime Analysis II: PR: CJJE 4654, CJJE 4663. Designed to provide advanced data analysis skills that will enable a crime analysis sophisticated methodologies to crime analysis. Occasional.

CCJ 4129 HPA-CJ 3(3,0) Cultural Diversity in Criminal Justice: PR: CCJ 3024. This course focuses on the problems and issues associated with race, ethnic and gender relations in the administration of justice in a democratic society. Occasional.

CCJ 4195 HPA-CJ 3(3,0) Interviews & Interrogations in CJ: PR: CCJ 3024 and C.I. or Major. C.I. The criminal justice interview process, including history of criminal justice interviews, the use of Miranda, non-verbal listening, and the rules of testimonial evidence. Fall, Spring.

CCJ 4296 HPA-CJ 3(3,0) Famous Crimes & Trials: PR: CCJ 3014 or CCJ 3024 or consent of instructor. A detailed examination of selected famous American crimes and trials since 1900. Occasional.

CCJ 4361 HPA-CJ 3(3,0) Death Penalty: PR: CCJ 3024. This course provides students an opportunity to analyze and discuss complex issues surrounding the death penalty and the criminal justice system. Occasional.

CCJ 4641 HPA-CJ 3(3,0) Organized Crime: An examination of organized crime, including structures, history and activities, and of issues surrounding efforts to define and control it. Occasional.

Organizations: Processes essentials to administration to human resources

CCJ 5461 HPA-CJ 3(3,0) Drugs and Crime: Focuses on the problems of drugs and drug control in contemporary society. Students will examine the problems of drugs in our society as well as specific strategies used by criminal justice agencies to prevent and control illicit drug use. Fall, Spring.

CCJ 4670 HPA-CJ 3(3,0) Women and Crime: This course covers women in criminal justice as offenders and prisoners, as well as crime victims and professionals working in the system. Occasional.


CCJ 4690 HPA-CJ 3(3,0) Sex Offenders and the Criminal Justice System: PR: CCJ 3024 or C.J. Provides students a better understanding of how the criminal justice system deals with sex offenders and their offenses. Fall, Spring.

CCJ 4701 HPA-CJ 3(3,0) Research Methods in Criminal Justice: Overview of the social science research methodology used in criminal justice, covers the major forms of research design used by social scientists, and evaluates their strengths and weaknesses. Fall, Spring.

CCJ 4934 HPA-CJ 3(3,0) Emergent Criminal Justice Issues: PR: CCJ 3014, CCJ 3024 or C.J. Developing trends and issues in criminal justice facing administrators, practitioners, and researchers. May be repeated for credit. Occasional.

CCJ 5015 HPA-CJ 3(3,0) The Nature of Crime: PR: Admission to Criminal Justice Master's program or C.J. This course provides an overview of major dimensions of crime in the U.S.: epidemiology of crime, costs of crime, and typologies of crime and criminal justice.

CCJ 5073 HPA-CJ 3(3,0) Data Management Systems for Crime Analysis: PR: Graduate standing or C.I. This course is designed to provide the conceptual basis, understanding, and skills necessary for complex crime data manipulation. Fall.

CCJ 5406 HPA-CJ 3(3,0) Research and Technology Implementation: Changing roles of social and physical sciences as related to the objectives and administration of public safety agencies. Occasional.

CCJ 5456 HPA-CJ 3(3,0) The Administration of Justice: PR: Admission to Criminal Justice Master's program or C.J. This course provides an overview of the criminal justice system and a critical analysis of formal and informal processing of offenders by criminal justice agencies. Fall, Spring.

CCJ 5467 HPA-CJ 3(3,0) Justice and Safety System Manpower: Processes essentials to administration to human resources in criminal justice and public safety agencies; structure and processes for acquisition, training, and maintenance of personnel. Occasional.

CCJ 5489 HPA-CJ 3(3,0) Professionalism in Criminal Justice Organizations: PR: Graduate standing or C.I. Historical evolution of professionalism in criminal justice organizations and how it has changed the structure or practices of each involved agency. Occasional.


Human Rights and Criminal Justice: PR: Senior standing, graduate standing or C.J. Provides in-depth analysis of the human rights movement and its potential impact upon criminal law as well as the juvenile and criminal justice systems. Occasional.

CCJ 5931 HPA-CJ 3(3,0) Contemporary Criminal Justice Strategies: PR: Graduate standing or C.J. Graduate level analysis of contemporary crime issues and the reactions of the criminal justice system to combat those crimes at both the national and international levels. May be repeated in the degree program a maximum of 3 times. Occasional.

CCJ 5934 HPA-CJ 1(1,0) Criminal Justice Investigative Process: PR: Graduate standing or C.I. Advanced seminar providing students with a broad view of how criminal justice investigative processes operate. Focuses on the roles and responsibilities of agents as investigators. May be used in the degree program a maximum of 4 times. Occasional.

CDA 3103 ECS-CS 3(3,0) Computer Logic and Organization: PR: COP 3223, CR: COT 3100C. Logic design, computer arithmetic, Instruction Set Architecture (MIPS, SPIM simulator), computer and processor architecture, formance, data path, control unit, memory hierarchy, I/O interface. Fall, Spring.


CDA 5106 ECS-CS 3(3,0) Advanced Computer Architecture: PR: EEL 4700C. Modern parallel computers, instruction-level parallelism, thread-level parallelism, data-level parallelism, memory hierarchy, and I/O. Fall, Spring.

CDA 5110 ECS-CS 3(3,0) Parallel Architecture and Algorithms: PR: COT 4210. CDA 5106. General-purpose vs. special-purpose parallel computers; array and text processing; shared-memory, taxonomy; parallelization techniques; communication synchronization and granularity; parallel data structures; automatic program restructuring. Occasional.

CDA 5215 ECS-CS 3(3,0) Architecture and Design of VLSI: PR: EEL 4700C. Overview of VLSI technology. Logical design of basic subsystems; integrated system design tools; design of a VLSI computer system. Occasional.


CEG 3301 ECS-CECE 3(3,0) Engineering and Environmental Geology: PR: EGR 3310 and CHS 1440 or equivalent. Principles of physical geology, with emphasis on engineering and environmental topics. Study of land forms, geologic maps, geologic structure, weathering, groundwater, mass wasting, and earthquakes. Occasional.

CEG 401C ECS-CECE 4(3,2) Geotechnical Engineering I: PR: EGR 3331, CWR 3201 both with a grade of "C" (2.0) or better. Design of soil and rock foundations; foundation design and evaluation; stability of slopes; seismic design. Fall, Spring. M&S fee $21.00

CEG 401D ECS-CECE 3(3,0) Geotechnical Engineering II: PR: CEG 401C with a grade of "C" (2.0) or better. Design of foundations and other soil structures using geotechnical design methodologies. Fall, Spring. M&S fee $14.00

CEG 4812 ECS-CECE 1(1,0) Historical Developments in Civil Engineering: Seminar covering major historical developments in civil engineering. Occasional.

CEG 5015 ECS-CECE 3(3,0) Geotechnical Engineering II: PR: CEG 401C. Continuation of CEG 015C with emphasis on shear strength and design factors for earth pressures, bearing capacity, and slope stability. Occasional.

CEG 5405 ECS-CECE 3(3,0) Soil Mechanics in Soils: PR: CEG 401C. Principles of flow through soils; flow nets, analytical solutions; seepage forces, design of filters and drainage layers; dewatering, drainage in dams, embankments, and pavement systems. Even Spring.

CEG 5700 ECS-CECE 3(3,0) Geo-Environmental Engineering: PR: CEG 401C. Geotechnical applications to environmental problems, groundwater flow, soil contamination and groundwater control, and stability of landfill design, control of contaminated sites. Occasional.

CEN 4020 ECS-CS 3(3,0) Component-based Engineering Software: PR: EEL 4851C, EEL 4882. In-depth treatment of component-based software development including analysis design and implementation of correct and verifiable software in different component levels. Occasional.

CEN 5016 ECS-CS 3(3,0) Software Engineering: PR: COP 4331C. Application of formal software processes, engineering methods, and documentation standards to the development of large scale software systems. A team project is required. Spring.


CEN 5326 ECS-CS 3(3,0) Web Server Configuration and Maintenance: PR: COP 3502C. NT/300, graduate standing and/or approval of the Director of the Software Engineering Certificate Program. Offers a comprehensive overview of the tools and techniques needed to succeed as a Web Server Administrator, including the tasks they are expected to perform. Occasional.

CEN 4100C ECS-CECE 4(3,3) Structural Analysis I and Lab: PR: EGN 3331 with a grade of "C" (2.0) or better. Topics in structural mechan- ics: Analysis of determinate and indeterminate structures by flexibility and stiffness methods computer and labora- tory exercises on behavior of structures and materials. Fall, Spring. M&S fee $21.00

CEN 4101 ECS-CECE 3(3,0) Matrix Methods for Structural Analysis: PR: CEG 4100C with a grade of "C" (2.0) or better. Introduction to matrix structural analysis, 2D and 3D structural analysis, special topics and modeling techniques, software tools for structural engineers for computer based applications. Occasional.

CEN 4605 ECS-CECE 3(3,0) Steel Structures: PR: CEG 4605C with a grade of "C" (2.0) or better. Design of structural steel members and buildings, emphasis on ASCII-ASD building code; introduction to AISI-LPD building code; tension members, beams, beam-columns, connections. Fall, Spring.

CEN 4608C ECS-CECE 3(2,2) Steel Design: PR: CEG 4605. Project course on design of steel components, connections, and frame structures using AISC specifications. Spring. M&S fee $20.00

CEN 4702 ECS-CECE 3(3,0) Reinforced Concrete Structures: PR: CEG 4100C with a grade of "C" (2.0) or better. Design of reinforced concrete members using ACI code; beam flexure and shear; compression bending; bond and development; introduction to continuous frames. Fall, Spring.
## UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CET 4505</td>
<td>Electrical Engineering</td>
<td>Applied Operating Systems I: PR: CET 2364. Modifying software to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 4663</td>
<td>Electrical Engineering</td>
<td>Computer and Network Security: PR: CET 4483, MAC 1105C. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 4741L</td>
<td>Computer Networking Laboratory</td>
<td>Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication technologies. Occasional.</td>
<td>3(0,3)</td>
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</tr>
<tr>
<td>CET 4749</td>
<td>Electrical Engineering</td>
<td>Wide Area Networks I: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing networks, structure, choosing appropriate technologies, and evaluating results. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5144</td>
<td>Electrical Engineering</td>
<td>Matrix Methods for Structural Analysis: PR: CET 4160C or C.I. Implementation of the matrix methods for structural analysis that are commonly and currently used in practice and in research, special topics such as finite element formulations, special analysis procedures, and use of software packages. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5325</td>
<td>Civil Engineering</td>
<td>Bridge Engineering I: PR: CET 4605 and CES 4702 or C.I. Bridge engineering fundamentals, design philosophies, analysis and design concepts for concrete and steel bridges, ASHHTO specifications, bridge rating, and introduction to bridge health monitoring. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5606</td>
<td>Electrical Engineering</td>
<td>Advanced Steel Structures: PR: CET 4208 or C.I. Behavior and design of steel buildings; emphasis on AISC-LRFD building code; complex connections, tension members, stability of compression members, laterally unsupported beams, frames, and beam columns. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5706</td>
<td>Civil Engineering</td>
<td>Advanced Reinforced Concrete: PR: CET 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; and seismic design; introduction to prestressed concrete, Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5821</td>
<td>Concrete Engineering</td>
<td>Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5834</td>
<td>Electrical Engineering</td>
<td>System Applications in C/C++: PR: MAC 1105C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5870</td>
<td>Civil Engineering</td>
<td>Advanced Reinforced Concrete 2: PR: CET 5706 or C.I. Design of complex structural systems; emphasis on design of reinforced concrete members. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5981</td>
<td>Civil Engineering</td>
<td>Applied Systems Analysis I: PR: Approved programming course or C.I. Study of system analysis, design, development and implementation cycle, Includes Object Oriented Programming (OOP) to implement system programs. Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 6010</td>
<td>Electrical Engineering</td>
<td>Introduction to Information Technology: PR: MAC 1105C. An introduction to IT field, including binary operations, computer networking, local area network technology, computer fundamentals and applications of both steel and concrete analysis and design at the member and system level. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 6237</td>
<td>Electrical Engineering</td>
<td>Applied Database I: PR: Approved programming course or C.I. Design and implementation of database systems within the concept of central administration, structured data storage. Programming project. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 6790</td>
<td>Electrical Engineering</td>
<td>Intro to Telephony: An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 4427</td>
<td>Electrical Engineering</td>
<td>Advanced Database I: PR: Approved programming course or C.I. Design and implementation of database base systems within the concept of central administration, structured data storage. Programming project. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 4483</td>
<td>Electrical Engineering</td>
<td>Intro to Local Area Network Technology: PR: Approved course and/or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Fall.</td>
<td>3(3,0)</td>
<td></td>
</tr>
<tr>
<td>CET 4505</td>
<td>Electrical Engineering</td>
<td>Applied Operating Systems I: PR: CET 2364. Modifying software to support new types of devices. Analysis of limitations and strengths of commercial mass storage operating systems in industry. O.S. tool box usage. May be repeated for credit. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 4663</td>
<td>Electrical Engineering</td>
<td>Computer and Network Security: PR: CET 4483, MAC 1105C. Fundamentals of computer security technology, including cryptography, authentication, digital signatures, and network security tools and applications. Fall.</td>
<td>3(3,0)</td>
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</tr>
<tr>
<td>CET 4741L</td>
<td>Computer Networking Laboratory</td>
<td>Computer Networking Laboratory: PR: C.I. Laboratory exercises to enhance the understanding of concepts/principles discussed in computer networking and data communication technologies. Occasional.</td>
<td>3(0,3)</td>
<td></td>
</tr>
<tr>
<td>CET 4749</td>
<td>Electrical Engineering</td>
<td>Wide Area Networks I: PR: CET 3679 or CET 4483, or C.I. Designing Wide Area Networks; determining requirements, designing networks, structure, choosing appropriate technologies, and evaluating results. Fall.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CET 4749</td>
<td>Electrical Engineering</td>
<td>Wide Area Networks II: PR: CET 4748. Traffic and cost generators. Access network design. Multi-speed access designs. Multilocal-access and mesh network design. Spring.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CET 5706</td>
<td>Civil Engineering</td>
<td>Advanced Reinforced Concrete: PR: CET 4702 or C.I. Design of frames, two-way floor systems, shear walls; shear and torsion; compression field theory; inelastic analysis; and seismic design; introduction to prestressed concrete, Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5821</td>
<td>Concrete Engineering</td>
<td>Masonry and Timber Design: PR: C.I. Structural properties of masonry and timber; design loads-codes and standards; analysis for axial loads, flexure and shear. Occasional.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 5834</td>
<td>Electrical Engineering</td>
<td>System Applications in C/C++: PR: MAC 1105C or C.I. Use of C language in control of system processes, DOS and BIOS interrupts, and interfacing with assembly language. Introduction to programming techniques and the C/C++ programming languages. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 6010</td>
<td>Electrical Engineering</td>
<td>Introduction to Information Technology: PR: MAC 1105C. An introduction to IT field, including binary representation, graphics, data compression, information theory, transmission and storage technology, and communications. Fall, Spring.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 6237</td>
<td>Electrical Engineering</td>
<td>Applied Database I: PR: Approved programming course or C.I. Design and implementation of database base systems within the concept of central administration, structured data storage. Programming project. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 6790</td>
<td>Electrical Engineering</td>
<td>Intro to Telephony: An introductory level course in telephony technology. The telephony environment, telemanagement, telephony connectivity and services of telephony. Fall.</td>
<td>3(3,0)</td>
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<tr>
<td>CET 4427</td>
<td>Electrical Engineering</td>
<td>Advanced Database I: PR: Approved programming course or C.I. Design and implementation of database base systems within the concept of central administration, structured data storage. Programming project. Fall.</td>
<td>3(3,0)</td>
<td></td>
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<tr>
<td>CET 4483</td>
<td>Electrical Engineering</td>
<td>Intro to Local Area Network Technology: PR: Approved course and/or C.I. An introductory level course in local area networks. Topics in data communications, computer networking, local area network technology, topologies, and protocols will be covered. Fall.</td>
<td>3(3,0)</td>
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</table>
**Chemistry Fundamentals IB:**

**CHM 2041 COS-CHEM 3(3,0)**
- equilibria, thermodynamics, chemical kinetics, electrochemistry.
- General Chemistry: PR: MATH 1105 or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course.

**CHM 2045C or the CHM 2040C & CHM 2041C sequence. Priority will be given to students whose major requires this course.**

**CHM 2046L COS-CHEM 3(3,0)**
- Chemistry Fundamentals Laboratory: CR: CHM 2046. Priority will be given to students whose major requires this course. Illustration of chemical principles and introduction to the techniques of inorganic and physical chemistry. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

**Chemistry Fundamentals II:**

**CHM 2046L COS-CHEM 3(3,0)**
- Organic Chemistry I: PR: CHM 2046. Priority will be given to students whose major requires this course. Theory and applications of organic chemistry: structure, bonding, kinetics, thermodynamics, reaction mechanisms, synthesis, and stereochemistry. Structure elucidation via spectrometric techniques. Fall, Spring.

**CHM 2211 COS-CHEM 3(3,0)**
- Organic Chemistry II: PR: CHM 2210. Priority will be given to students whose major requires this course. Continuation of CHM 2210. Fall, Spring.

**Chemistry Fundamentals Laboratory:**

**CHM 2040 COS-CHEM 3(3,0)**
- General Chemistry Laboratory: PR: or CR: CHM 1032. Preference will be given to students whose major requires this course. An introductory study of physical and chemical properties of elements and compounds. IMPORTANT: Attendance of the first laboratory session dealing with safety procedures is mandatory; students who do not attend must immediately call the Chemistry Department, and may be dropped from the class. Fall, Spring. M&S fee $45.00

**CHM 2045C COS-CHEM 3(3,0)**
- Organic Chemistry Laboratory I: PR: CHM 2040C or its equivalent with a grade of C or better. Not open to students with credit in CHM 2045C. Priority will be given to students whose major requires this course. The "NC" grading policy applies to this course.

**Chemistry Seminar:**

**CHM 4930 COS-CHEM 1(1,1)**
- Chemistry Seminar I: PR: CHM 3120 or C.I. Student selects a topic and an advisor and prepares a draft seminar. Fall.

**Advanced Analytical Chemistry Laboratory:**

**CHM 4322 COS-CHEM 3(3,0)**
- Applied Physical Chemistry: PR: PHY 2049C and MATH 2122L. Physical chemistry as applied to the study of biological and forensic science. Fall.

**Advanced Analytical Chemistry Laboratory:**

**CHM 4310L COS-CHEM 2(0,6)**
- Advanced Analytical Chemistry Laboratory: PR: or CR: CHM 4310. Experimental exercise of instrumental methods of analysis. Successful students will develop practical performing experiments based on spectroscopic and chromatographic methods of analysis. Statistical data treatment of experimental results will be also exercised. Spring. M&S fee $70.00

**General Chemistry Laboratory:**

**CHM 1032L COS-CHEM 1(0,3)**
- Concepts in Chemistry: PR: MATH 1105 or MGF 1106 or equivalent. An introductory study of the fundamental concepts of chemistry, primarily oriented toward Health Science majors. The "NC" grading policy applies to this course.

**Chemistry Seminar:**

**CHM 4931 COS-CHEM 1(1,1)**
- 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.

**Advanced Organic Chemistry:**

**CHM 5225 COS-CHEM 3(3,0)**
- Advanced Organic Chemistry: PR: CHM 2211, graduate status or senior standing, or C.I. Theoretical and physical organic concepts of organic systems from the perspective of modern structural theory, thermodynamics, and kinetics. Odd Fall.

**Polymer Chemistry:**

**CHM 5450 COS-CHEM 3(3,0)**
- Polymer Chemistry: PR: CHM 2211, and graduate status or senior standing or C.I. An introduction to the chemistry of synthetic polymers. Synthetic methods, polymerization mechanisms, characterization techniques, and polymer properties will be considered. Even Fall.

**Biological Chemistry:**

**CHM 5451C COS-CHEM 3(1,5)**
- Techniques in Polymer Science: PR: CHM 2211 and CHM 3410, graduate status or senior standing, or C.I. A laboratory and lecture course designed to introduce students to the major polymerization mechanisms along with polymer characterization and processing methods using modern instrumentation. Odd Fall. Spring. M&S fee $45.00
CHS 3501 COS-CHEM 3(3,0)
Introduction to Forensic Science: PR: Preference will be given to students whose majors require this course. Intermajors and non-majors may be admitted with permission of the Director of the Forensic Science major. May be repeated for credit. Occasional.

CHS 3505C COS-CHEM 4(2,6)
Forensic Microscopy: PR: 'C' grade or better in CHM 2046 & L and CHS 3501; and PR: or CR: PHY 2049C. The use of the polarized light microscope and its use in the identification and comparison of trace evidence. Fall. M&S fee $45.00

CHS 3511C COS-CHEM 4(2,6)
Trace Evidence: PR: 'C' grade or better in CHS 3505C & CHM 2211. An advanced study of the techniques used in identifying and comparing trace evidence. Spring. M&S fee $45.00

CHS 3514C COS-CHEM 3(2,3)
Bomb Scene Investigation: PR: Forensic Science major, CHS 3505 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 3520C COS-CHEM 3(3,0)
Forensic Analysis of Controlled Substances: PR: 'C' grade or better in CHM 2211, or PR: or CR: CHS 3505 & CHM 3120. Study of presumptive tests, isolation, and isolation techniques used in identification of controlled substances. Fall. M&S fee $45.00

CHS 3533 COS-CHEM 3(2,0)
Forensic Biochemistry I: PR: 'C' or better in PCB 3063 and PCB 3233. Concepts and procedures of contemporary forensic biochemistry, including the identification of body fluids and the use of genetic markers to establish identity. Fall.

CHS 3533L COS-CHEM 1(0,3)
Forensic Biochemistry I Laboratory: PR: 'C' (2.0) grade or better in BSC 2010C, PCB 3063, PCB 3063L, PCB 3233, PCB 3333, and PR: or CR: CHS 3533. Concepts and procedures of contemporary forensic biochemistry. Emphasis on techniques and procedures used in operational crime laboratories in the U.S. Fall. M&S fee $70.00

CHS 3540C COS-CHEM 2(1,3)
Fire and Debris Analysis I: PR: CHM 3120 and C.I. A lecture/laboratory course covering the procedures for recovering and identifying flammable liquids in fire related evidence. Occasional.

CHS 3595 COS-CHEM 3(3,0)
Forensic Science in the Courtroom: PR: or CR: CHS 3501 and Forensic Science major. The special needs of the forensic scientist in preparing for and participating in courtroom proceedings. Spring.

CHS 3596C COS-CHEM 0(0,8)
Cooperative Education in Chemistry: PR: Departmental permission required before registering. Cooperative education experience in chemistry. Graded SU. May be repeated for credit. Occasional.

CHS 4200 COS-CHEM 3(3,0)

CIS 3360 ECS-CS 3(3,0)

CIS 3362 ECS-CS 3(3,0)
CLT 3378 CAH-PHIL 3(3,0) Comparative Mythology; PR: ENC 1102 and either HUM 290, REL 2300, WCH 2022, LIT 2120, or CLT 3370. Common themes found in the myriad of various cultures; theories of their origins, meaning and value in human experience. Occasional.

CMC 4240 COS-COMM 3(1,2) Corporate/Institutional Video; PR: RTV 3200, RTV 3205. Network design using layering. Introduction to networking, cabling, topology, analysis of computer communication cabling. Base design and detailed configuration including organization and interpersonal settings.

COP 4331C ECS-CS 3(3,0) Systems Software; PR: COP 3502C. Design and development of assembler linkers, loaders, and compilers. Study memory hierarchy, program performance, and system level I/O. Fall, Spring.

COP 4020 ECS-CS 3(3,0) Programming Languages I; PR: COP 3300C 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.

COP 4516C ECS-CS 3(1,3) Problem Solving Techniques and Team Dynamics; PR: COP 3503C. Design and implement solutions to problems requiring the application of the different algorithms. Team project format. Occasional.

COP 4520 ECS-CS 3(3,0) Concepts of Parallel and Distributed Processing; PR: COP 3402 and COP 3960. Parallel and distributed paradigms, architectures and algorithms, and the analytical tools, environments and languages needed to support these paradigms. Occasional.

COP 4610L ECS-CS 3(0,3) Operating Systems Laboratory; PR: COP 3402 and COP 3960. Exercises in the configuration, development, management and analysis of operating systems; OS Kernel support for semaphores and multi-tasking; security in a distributed heterogeneous environment. Fall, Spring.
COP 4910  ECS-CS  3(3,0)  Frontiers in Information Technology: PR: COP 4610L or COP 4703C. Research into leading edge information technologies that have a high likelihood of affecting the work place in the two to five year time frame. Spring.

COP 5021  ECS-CS  3(3,0)  Program Analysis: PR: COP 4020 and COP 4210 or C.I. Static analysis of programs including theoretical and practical limitations, program flow analysis, abstract interpretation, and ype and effect systems. Tools to automate program analysis. Even Spring.

COP 5537  ECS-CS  3(3,0)  Network Optimization: PR: Graduate standing or C.I. Techniques for modeling complex, interconnected systems as networks; optimization with graph theory; algorithms, data structures, and computational complexity; statistical methods for studying large, evolving networks. Fall.

COP 5611  ECS-CS  3(3,0)  Operating Systems Design Principles: PR: COP 4610, Structure and functions of operating systems, process communication techniques, high-level concurrent programming, virtual memory systems, elementary queuing theory, security, distributed systems, case studies. Spring.

COP 5711  ECS-CS  3(3,0)  Parallel and Distributed Database Systems: PR: COP 4610, Studying parallel and distributed database systems, distributed query processing, software, distributed base systems. Fall.


COT 3500C  ECS-CS  3(3,0)  CS Foundation and Analytic: PR: COP 3502C and COT 3100C. Foundation examination for computer science majors. Required before taking advanced core courses in Computer Science and upper-division 4000 and 5000 level CS electives. Graded S/U. Fall, Spring.

COT 4210  ECS-CS  3(3,0)  Discrete Structures II: PR: COP 3503C and COT 3900. Computation Theory: A study of the properties of grammars and automata as formal specifications for algorithms, including both regional and international dimensions. Honors level content. Occasional.


COT 4810  ECS-CS  3(3,0)  Topics in Computer Science: PR: COP 3402 and COP 3503C and COT 3900. A range of topics from the field of computer science; application of oral and written communication skills; social, ethical and moral issues of computing. Fall, Spring.

COT 5310  ECS-CS  3(3,0)  Formal Languages and Automata Theory: PR: COP 4200 and COT 4210. Classes of formal grammars and their relation to automata, normal forms, closure properties, decision problems. L/R/K grammars. Fall, Spring.


CPO 3034  COS-POLS  3(3,0)  Politics of Developing Areas: Comparative analysis of theories, problems and politics of development in Third World nations. Even Fall.

CPO 3103  COS-POLS  3(3,0)  Comparative Politics: PR: POS 2041 or C.I. Government and politics in selected nations, with emphasis upon comparative analysis of contemporary problems, politics, political culture, behavior, and institutions. Spring.

CPO 3104  COS-POLS  3(3,0)  Politics of Western Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Western Europe in the post-1945 era. Odd Spring.

CPO 3132  COS-POLS  3(3,0)  Canadian Studies: A multi-disciplinary approach to the study of Canada, its people, culture, government, and economy. Occasional.

CPO 3403  COS-POLS  3(3,0)  Politics of the Middle East: PR: POS 2041 or C.I. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Even Fall, Spring.

CPO 3403H  COS-POLS  3(3,0)  Honors Politics of the Middle East: PR: Permission of Honors. An examination of the dynamics of Middle East politics, including both regional and international dimensions. Honors level content. Occasional.

CPO 3614  COS-POLS  3(3,0)  Politics of Eastern Europe: PR: POS 2041 or C.I. An examination of the political and economic dynamics of Eastern Europe in the post-1945 era. Occasional.

CPO 4047  COS-POLS  3(3,0)  Politics of the NAFTA Region: PR: POS 2041 or C.I. Contemporary politics of the NAFTA region, analyzing important political and socio-economic issues. Occasional.


CPO 4074  COS-POLS  3(3,0)  Political Economy: PR: Junior standing or C.I. Interrelationship of political and economic phenomena of both advanced industrial societies and less developed countries. Even Fall.

CPO 4100  COS-POLS  3(3,0)  Politics of the European Union: PR: POS 2041 or C.I. Evolution of the European Union, theories of the EU and EU institutions and policies from a comparative perspective. Spring.

CPO 4123  COS-POLS  3(3,0)  Government and Politics of Great Britain: A survey of British government, society, politics and institutions, emphasizing parliamentary traditions. Britain’s foreign policy and European role will be discussed. Even Spring.

CPO 4303  COS-POLS  3(3,0)  Comparative Latin American Politics: Comparative analysis of politics, society and culture in Latin America and selected countries of the region. Fall.

CPO 4445  COS-POLS  3(3,0)  Comparative Political Parties: PR: POS 2041, and Junior standing or C.I. Theories of the formation, structure, organization, and behavior of political parties and political party systems in comparative perspective. Occasional.
CRW 3211 CAH-ENG 3(3,0) Creative Nonfiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Writers present original nonfiction writing for class response and individual conferences. Reading of key works of creative nonfiction with discussion of definitions of the genre. Fall, Spring.

CRW 3310 CAH-ENG 3(3,0) Poetry Writing Workshop: PR: English major or minor, junior standing, and a grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. An intermediate level poetry workshop for English majors. Group analysis and criticism; close reading of contemporary poetry and poetic theory. Fall, Spring.

CRW 3311 CAH-ENG 3(3,0) Structure of Verse: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive study of the structural characteristics of English, poetry, metrical systems, rhyme, scansion, and poetic rhetorical devices. Occasional.

CRW 3540 CAH-ENG 3(3,0) Literary Magazines: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Examination of fiction and poetry trends in current literary magazines, identifying editorial policies in publication of contemporary literature. Occasional.

CRW 3610 CAH-ENG 3(3,0) Writing Scripts: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013 and CRW 3053, or C.I. Theory and practice of writing scripts for film and TV. Occasional.

CRW 3850 CAH-ENG 3(3,0) Cypress Dome Editorship: PR: C.I. Responsibility for all aspects of editing The Cypress Dome-UCF's student literary journal. Fall, Spring.

CRW 4014 CAH-ENG 3(3,0) The Writing Life: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610 or C.I. Critical/non-fiction/craft works and fictional works by a series of authors. Occasional.

CRW 4114 CAH-ENG 3(3,0) History of Prose Style: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 or C.I. Close study of style and craft in exemplary works of fiction and creative nonfiction from various time periods. Occasional.

CRW 4120 CAH-ENG 3(3,0) Advanced Fiction Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3120, or C.I. Intensive writing practice in fiction. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4123 CAH-ENG 3(3,0) Science Fiction Writing: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and CRW 3120, or C.I. Study of science fiction literature and writing of original science fiction stories. Workshop format with critique of writing assignments. Occasional.

CRW 4224 CAH-ENG 3(3,0) Advanced Nonfiction Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive writing practice in poetry, Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4230 CAH-ENG 3(3,0) Advanced Poetry Writing Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3310, or C.I. Intensive writing practice in poetry. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4616 CAH-ENG 3(3,0) Advanced Scriptwriting Workshop: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and CRW 3610, or C.I. Intensive Practice in writing scripts. Peer critique and group discussion of original manuscripts. Fall, Spring.

CRW 4722 CAH-ENG 3(3,0) Editing for Creative Writers: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053 and at least one of CRW 3120, CRW 3211, CRW 3310, or CRW 3610, or C.I. Overview of the craft and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 3 times. Fall, Odd Spring.

CRW 4804 CAH-ENG 3(3,0) Creative Writing in the Community: PR: English major or minor, junior standing, and grade of C (2.0) or better required in CRW 3013, CRW 3053, and C.I. Hands-on experience with creative writing to community groups through service-learning. Occasional.

CRW 5020 CAH-ENG 3(3,0) Graduate Writing Workshop: PR: Admission to Creative Writing MFA and C.I. Students present their own work, receiving detailed analysis of its strengths and weaknesses from their fellow writers and from the teacher. May be used in the degree program a maximum of 4 times. Fall, Odd Spring.

CRW 5130 CAH-ENG 3(3,0) Form and Theory in Creative Writing: PR: Admission to Creative Writing MFA or C.I. Formal and theoretical study of the writing of given genres (poetry, short fiction, etc.), May be used in the degree program a maximum of 3 times. Occasional.

CRW 5948C CAH-ENG 3(2,1) Creative Writing Service Learning: PR: Admission to Creative Writing MFA or C.I. On-site experience leading and sharing creative writing in community settings. May be used in the degree program a maximum of 3 times. Occasional.

CRW 3201 ECS-CECE 3(3,0) Engineering Fluid Mechanics: PR: MAP 2302, EGN 3310 both with a grade of "C" (2.0) or better; CR: EGN 3321. Fundamentals of fluid mechanics with hydrostatic applications: fluid properties, hydrostatics, dimensional analysis, energy, momentum, continuity, and steady flow. Fall, Spring.

CRW 4101C EPS-CECE 3(2,2) Hydrology: PR: STA 3032, CWR 3201. Hydrological cycle, probability of flooding, rainfall excess, meteorology, groundwater, storm-water runoff, flood routing and design applications. Fall, Spring.

CRW 4303C EPS-CECE 3(2,2) Water Resources Engineering I: PR: CWR 3201 Continuation of CWR 3201 with emphasis on piping networks, pumps, and hydraulic systems. Laboratories with civil and environmental engineering applications. Fall, Spring. M&S fee $20.00

CRW 4632C EPS-CECE 4(3,2) Water Resources Engineering II: PR: STA 3032 and CWR 3201 both with a grade of "C" (2.0) or better. Descriptive and quantitative aspect of water in the earth's environment and its engineering implications, including analysis of surface water systems, design of hydraulic structures, and stormwater management. Fall, Spring.

CRW 4633C EPS-CECE 3(3,1) Water Resources Engineering III: PR: CWR 4632C with a grade of "C" (2.0) or better. Provision of advanced understanding of hydrology, hydrologic river routing, open/closed channel, and groundwater hydraulic and some engineering applications of these concepts. Fall, Spring. M&S fee $2,509.89

CRW 4812C ECS-CECE 3(2,2) Water Resources Design: PR: CWR 4632C with a grade of "C" (2.0) or better and department consent. Project course for the design of storm water, potable and sewer transmission systems using local and state regulations. Fall, Spring. M&S fee $15.00

CRW 5125 ECS-CECE 3(3,0) Groundwater Hydrology: PR: CWR 4203C or equivalent. Theory of groundwater movement, geologic factors, analysis and design techniques, etc. Emphasis on practical considerations. Occasional.


CRW 5515 ECS-CECE 3(3,0) Numerical Methods in Civil and Environmental Engineering: PR: CWR 4101C, CWR 4203C. This course focuses on the applications of methods theory and include code development and error assessment, while targeting civil and environmental engineering applications. Occasional.


DAA 2100C CAH-THEA 2(2,1) Modern Dance I: PR: Theatre major, Dance minor, or department consent. Introduction to ballet and contemporary dance as well as jazz history lectures. Fall, Odd Spring.

DAA 2100C CAH-THEA 2(2,1) Modern Dance I: PR: Theatre major, Dance minor, or department consent. Introduction to ballet and contemporary dance as well as jazz history lectures. Fall, Odd Spring.

DAA 2200C CAH-THEA 2(2,1) Ballet I: PR: Theatre major, Dance minor, or department consent. Introduction to classical ballet, includes practical dance work as well as dance history lectures. Fall.

DAA 2301 ED-CFCS 2(2,0) Ballroom Dance: Instruction in selected ballroom dances (foxtrot, waltz, rumba, swing, samba, cha cha, tango, quickstep) focusing on dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2351 ED-CFCS 2(2,0) Salsa & Latin Dance: Instruction in salsa and selected other Latin dances (merengue, bachata, cha cha) focusing on Latin dance and fitness aspects of ballroom dancing. Fall, Spring.

DAA 2393C CAH-THEA 2(2,1) World Dance: PR: Theatre major, Dance minor, or department consent. Theory and applied technique of world dance. Semester focus will be devoted to one form, such as African dance, Flamenco, Irish dance, Indian dance, or other. May be repeated for credit. Occasional.

DAA 2520C CAH-THEA 2(2,1) Tap Dance I: PR: Theatre major, Dance minor, or department consent. Form, style, and technique in the 20th century. Fall, Odd Spring.
DIG 4232C CAH-SVAD 3(1,4) Modeling for Visual Language: PR: DIG 4204C, successful portfolio review, or C.I. Techniques for designing interactive characters, with emphasis on creating visual environments that are interactive, engaging, and visually appealing. Spring.

DIG 4234C CAH-SVAD 3(3,0) Digital Media Production: PR: DIG 4359C, successful portfolio review, or C.I. Principles of digital media production, including scripting, coding, and software development. Fall.

DIG 4242C CAH-SVAD 3(1,4) Artificial Characters Workshop: PR: DIG 3355C, successful portfolio review, or C.I. Techniques for designing and implementing artificial characters in digital media. Spring.

DIG 4264C CAH-SVAD 3(2,2) Media for e-Commerce: PR: DIG 3134C. Advanced application of digital media in e-commerce, including web design, digital graphics, and multimedia content creation. Fall.

DIG 4313C CAH-SVAD 3(1,4) Narrative Techniques in the Moving Image: PR: DIG 4416C, successful portfolio review, or C.I. Advanced application of narrative techniques in digital media, including screenwriting, storyboarding, and editing. Fall.

DIG 4314C CAH-SVAD 3(3,0) Interactive Entertainment II: PR: DIG 4345C or C.I. Continuation of Interactive Entertainment I, focusing on game design, development, and implementation. Spring.

DIG 4345C CAH-SVAD 3(3,0) Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced animation techniques, including character design, motion capture, and 3D animation software. Spring.

DIG 4350C CAH-SVAD 3(3,0) Rapid Application Web Development: PR: DIG 3134C and DIG 3716C. Advanced web development techniques, including server-side scripting and database integration. Fall.

DIG 4351C CAH-SVAD 3(1,4) Look Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques for designing and implementing visual environments in digital media. Spring.

DIG 4352C CAH-SVAD 3(1,4) Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced animation techniques, including character design, motion capture, and 3D animation software. Spring.

DIG 4354C CAH-SVAD 3(1,4) Geometrical Modeling Workshop: PR: DIG 4204C, successful portfolio review, or C.I. Techniques for designing and implementing geometrical representations of visual environments. Spring.

DIG 4356C CAH-SVAD 3(1,4) Artificial Environments and Effects Workshop: PR: DIG 3355C and successful portfolio review, or C.I. Techniques for designing and implementing artificial environments and effects in digital media. Spring.

DIG 4369C CAH-SVAD 3(1,4) Digital Media Production II: PR: DIG 4352D and a minimum grade of "B" (3.0) or better in DIG 4200. Advanced digital media production techniques, including video editing, motion graphics, and web design. Fall.

DIG 4370C CAH-SVAD 3(3,0) Principles of Visual Language: PR: DIG 4210C and a satisfactory portfolio review. Introduction to the principles and theories of visual language in the context of digital media. Fall.

DIG 4373C CAH-SVAD 3(3,0) Digital Media Production III: PR: DIG 4352D and a minimum grade of "B" (3.0) or better in DIG 4200. Advanced digital media production techniques, including video editing, motion graphics, and web design. Fall.

DIG 4394C CAH-SVAD 3(1,4) Narrative Techniques in the Moving Image: PR: DIG 4416C, successful portfolio review, or C.I. Advanced application of narrative techniques in digital media, including screenwriting, storyboarding, and editing. Fall.

DIG 4434C CAH-SVAD 3(1,4) Digital Media for e-Commerce: PR: DIG 3134C. Advanced digital media techniques, including web design, digital graphics, and multimedia content creation. Fall.

DIG 4450C CAH-SVAD 3(3,0) Rapid Application Web Development: PR: DIG 3134C and DIG 3716C. Advanced web development techniques, including server-side scripting and database integration. Fall.

DIG 4451C CAH-SVAD 3(1,4) Interactive Entertainment II: PR: DIG 4345C or C.I. Continuation of Interactive Entertainment I, focusing on game design, development, and implementation. Spring.

DIG 4486C CAH-SVAD 3(1,4) Prototyping: Production Introduction I: PR: Admission to Digital Media MS program or C.I. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4701C CAH-SVAD 3(1,3) Advanced 3D Animation: PR: DIG 4323C, successful portfolio review, or C.I. Advanced animation techniques, including character design, motion capture, and 3D animation software. Spring.

DIG 4702C CAH-SVAD 3(2,2) Prototyping: Production Introduction I: PR: Admission to Digital Media MS program or C.I. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Project based. Fall, Spring.

DIG 4703C CAH-SVAD 3(3,0) Rapid Prototype Production: PR: DIG 4204C or C.I. Principles and theories of video game production, including project planning, scripting, 3D modeling and texturing, level design, and audio. Fall.

DIG 4704C CAH-SVAD 3(3,0) Principles of Visual Language: PR: DIG 3134C and DIG 3716C. Advanced web development techniques, including server-side scripting and database integration. Fall.

DIG 4713C CAH-SVAD 3(3,0) Principles of Visual Language: PR: DIG 3134C and DIG 3716C. Advanced web development techniques, including server-side scripting and database integration. Fall.


ECM 5741C ECS-ECE 3(2,3) Microcomputer-based Monitoring and Control Systems: PR: EEE 3342C, EEL 4742C or C.I. Machine language programming; software development aids; systems design; interfacing considerations. Occasional.

ECO 2013 BA-ECON 3(3.0) Principles of Macroeconomics: An introduction to macroeconomics, including an overview of the market economy; national income, employment, and price level determination, stabilization policies, and international economics. Fall, Spring.

Eco 2013H BA-ECON 3(3.0) Honors Principles of Macroeconomics: Macroeconomics: PR: Permission of Honors. Same as ECO 2013 with honors-level content. Fall, Spring.

Eco 2023 BA-ECON 3(3.0) Principles of Microeconomics: The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Fall, Spring.

Eco 2023H BA-ECON 3(3.0) Honors Principles of Microeconomics: PR: Permission of Honors. The determination of prices in a market economy; their role in allocating consumer and producer goods and in distributing incomes, including attempts to improve market efficiency through public policy. Honors content. Occasional.

Eco 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 markets in which they operate with issues and applications. Fall, Spring.


Eco 3401 BA-ECON 3(3.0) Quantitative Business Tools I: PR: ECO 2023, and MAC 1105C or MAC 1140C. Introduction to mathematical and statistical analysis of economics and business problems. Fall, Spring.

Eco 3410 BA-ECON 3(3.0) Mathematical Economics: PR: ECO 3101. Mathematical methods with particular focus on microeconomics foundations of individual decision-making. Spring.
ECW 3312 ED-E&HS 3(3,0) Course Construction in Health Occupations Education: PR: C.I. Planning and preparation of materials, managing the laboratory and involvement in appropriate Vocational Student Organizations. Clinical instruction related to vocational education and industry training. Occasional.

ECW 3363 ED-E&HS 3(3,0) Special Populations in Career & Technical Education: PR: ECT 3365 or C.I. Overview of strategies and resources in meeting the needs of special populations in career and technical education settings. Spring.

ECW 5207 ED-E&HS 2-4(2-4) Management of Vocational Programs: PR: Rank III Certificate or C.I. Study and achievement of selected competencies needed by vocational teachers, supervisors, and local administrators in the management of vocational education programs in the schools. Occasional.

ECW 5265 ED-E&HS 2-4(2-4) Cooperative Programs in Vocational Education: PR: Regular Certificate or C.I. Study of cooperative vocational programs and achievement of competencies needed to establish, manage, and coordinate co-op program activities in all vocational areas. Occasional.

ECW 5565 ED-E&HS 2-3(2-3,0) Students with Disabilities: 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.

EDE 3942 ED-TL&L 3(3,0) Internship I: PR: EDE 4410, RED 3012, RED 4519, MAE 2801, TSL 4080. Student teaching assignment in an elementary school under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.

EDE 4223 ED-TL&L 3(3,0) Integrated Arts and Movement in the Elementary School: PR: Admission to Elementary Education. Provides the prospective teacher with knowledge, skills, and dispositions to integrate arts and movement into the education of elementary school children. Fall, Spring. M&S fee $10.00


EDE 4945 ED-TL&L 1(1,0) Internship II 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-TL&L 3(3,0) Introduction to Educational Internship: Introduction to educational internship with selected partner institutions. Occasional.

EDF 2130 ED-TL&L 3(3,0) Child and Adolescent Development for Educators: Critical examination of developmental stages and characteristics of individuals from infancy through adolescence with application to learners in educational settings. Fall, Spring.

EDF 2250 ED-TL&L 3(3,0) Classroom Management for Substitute Teachers: Instruction and classroom management strategies to optimize student learning and maximize the effectiveness of substitute teachers. Fall, Spring.

EDF 2720 ED-TL&L 3(3,0) Children in Schools: Legal, Ethical and Safety Concerns: PR: EDF 2005, EDF 2085, EME 2040, or C.I. The role of education in children’s lives through the analysis of legal, ethical and safety concerns. Fall, Spring.

EDF 3120 ED-TL&L 3(3,0) Observing Child Growth and Development: PR: Admission to the program. Provides a comprehensive introduction to the principles and basic theories of child growth and development from pre-natal development through age eight. Fall, Odd Spring.


EDF 3601 ED-TL&L 3(3,0) Professional Ethics in Education: Pedagogical knowledge, awareness of educational process and the analytical skills necessary for responsible public involvement in educational policy making. Fall, Spring.

EDF 3740 ED-TL&L 3(3,0) Foundations of Early Childhood Education: PR: Admission to the program. Overview of Early Childhood Education and services for young children and families. Includes historical, philosophical, and sociological perspectives; learning theories as related to early childhood. Occasional.

EDF 4214 ED-TL&L 3(3,0) Classroom Learning Principles: PR: EDF 2005 and Junior standing or C.I. Principles of learning as applied to classroom teaching situations, with emphasis on student development, behavior, self-concept and motivation. Fall, Spring.

EDF 4466 ED-E&HS 3(3,0) Classroom Assessment & Evaluation Techniques: PR: Completion of Internship I or C.I. Classroom measurement skills in designing traditional and alternative assessments, using results for student evaluation and instructor performance, and interpretation of standardized test results. Fall, Spring.


EDF 4603 ED-TL&L 3(3,0) Analysis and Application of Ethical, Legal, and Safety Issues in Schools: PR: EDF 2005, EDF 2085, EME 2040 or C.I. Critical analysis of contemporary educational issues, including ethical, safety, legal, and linguistic considerations which directly impact schooling in a democracy. Fall, Spring.

EDF 4603H ED-TL&L 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, and linguistic considerations which directly impact schooling in a democracy with Honors content. Fall.

EDF 5245 ED-TL&L 3(3,0) Preparation and Management of Classroom Instruction: PR: C.I. Study of strategies for instructional planning and classroom management that result in optimum learning. Occasional.

EDF 5607 ED-TL&L 3(3,0) Language, Culture and Pedagogy: Impact and 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-TL&L 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Education providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.

EDG 2311 ED-TL&L 3(3,0) Teaching Strategies for Substitute Teachers: Planning, adapting and implementing effective instructional practices and assessing student performance in K-12 settings with diverse populations. Fall, Spring.

EDG 4323 ED-TL&L 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 instruction of instruction for diverse student populations. Fall, Spring.

EDG 4410 ED-TL&L 3(3,0) Teaching Strategies and Classroom Management: PR: EDF 2005, EDF 2085, EME 2040, or C.I. Instructional, organizational and classroom management strategies to create effective learning environments. Fifteen hour in-school experience required. Fall, Spring.

EDG 4941 ED-TL&L 1-8(0,1-8) Directed Field Experience: PR: Approval of Professional Laboratory. Field experience in an appropriate educational setting under the direction of a supervising teacher and/or university supervisor. Occasional.

EDG 4948 ED-TL&L 3(3,0) Service Learning: PR: PSY 2012 or C.I. Involvement with community agencies and/or schools to gain a new perspective about the central Florida community. May be repeated for credit. Fall, Spring.

EDG 4954 ED-TL&L 3(3,0) Developing Int’l Education Perspectives: Field Experiences in European Schools: PR: Junior standing or C.I. A guided field experience for students participating in a study abroad program in Europe. Students gain insights into global and local education issues through in-school experiences. Occasional.

EDG 5745 ED-TL&L 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-TL&L 2-4(0,11) Clinical Practice: PR: Admission to STEP II, III or IV. Clinical internship in an appropriate educational setting under the direction of a university supervisor or peer teacher. Occasional.

EDH 5306 ECS-MMAE 1(1,0) Teaching Methods in Engineering: PR: Graduate standing in an engineering discipline. This course will cover basis teaching pedagogy to help engineering students becomes better TA’s and help students deliver better technical presentations. Occasional.

EDS 5356 ED-TL&L 3(2,1) Mentoring and Clinical Supervision of Pre-professional Educators: PR: C.I. The practical application of coaching and mentoring practices that satisfy the standards of clinical supervision and assure attainment of the Florida Educator Accomplished Practices. Fall, Spring.
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ECE 3214 ED-TL&L 3(3,0) Early Childhood Education Learning Environments: PR: Admission to the program. Examines developmentally appropriate education materials, strategies, and environments for young children. Emphasizes an integrated approach to curriculum planning and scheduling which emphasizes active learning. Occasional.

ECE 3613 ED-CFCS 3(3,0) Observation and Assessment of Young Children: PR: Admission to the program. Appropriate methods for diagnosing, assessing, and evaluating young children, including children with special needs and from diverse cultural, linguistic, and socioeconomic backgrounds. Appropriate interventions, remediations, and enrichment. Occasional.

ECE 3700 ED-CFCS 3(3,0) Social and Emotional Development of Young Children: Provides an in-depth understanding of the social and emotional development of the young child. Examines the implication for curriculum development. Occasional.

ECE 3940 ED-CFCS 3(0,3) Integration Internship I: PR: Senior Status; RED 4311 or RED 5101. Field-based placement in which the students will have supervised practice integrating course content areas. Occasional.


ECE 4235C ED-CFCS 3(2,1) Early Childhood Education Seminar: Bridging Theory Into Practice: PR: TSL 4240, EEC 4268, EEX 3350, and completion of semester II in the junior year. Corequisites: MAE 4300, RED 4311, SCL 3401. Seminar course which combines coursework, research, and practical experience. Fall, Spring.

ECE 4266 ED-CFCS 3(3,0) Early Intervention: Provides an overview of development assessment, and intervention with at-risk and handicapped infants and toddlers. Occasional.

ECE 4268 ED-CFCS 3(3,0) Curriculum Activities in Early Childhood: PR: Admission to Early Childhood Education Program. An integrated approach to curriculum planning and scheduling including materials, strategies, and environments for young children which emphasize active learning. Fall, Spring.

ECE 4303 ED-CFCS 3(3,0) Planning Creative Activities in Early Childhood Education: PR: Admission into Early Childhood Education and 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.

ECE 4402 ED-CFCS 3(3,0) Cultural and Family Systems: Explores the institution of family in its cultural context as a living dynamic system. Occasional.

ECE 4414 ED-CFCS 3(3,0) Patterns-Child Relations: PR: ECE 3700; EEC 4681; RED 3310; EEX 4751; LIN 3716; or C.I. Review of research on child-rearing and parent-child relationships using case studies to explore influences of personality, developmental stages, family structure, ethnic and cultural factors on parent-falling. Fall, Spring.

ECE 4524 ED-CFCS 3(3,0) Organization and Management in Early Childhood: Provides students with managerial and supervisory skills required to administer a developmentally appropriate early childhood program. Occasional.

ECE 4528 ED-CFCS 3(3,0) Infant/Toddler Care and Education: Provides the knowledge and skills that will enable the student to become a competent worker with very young children and their families. Occasional.


ECE 4661 ED-CFCS 3(3,0) Early Childhood Education Theory and Practice: PR: Admission to the Early Childhood Program. Study of early childhood education and services for young children and families. Includes early childhood historical, philosophical, and sociological perspectives, learning theories and field-based experiences. Fall, Spring.

ECE 4731 ED-CFCS 3(3,0) Health, Safety, and Nutrition for Young Children: Health and safety issues in early childhood (0-8). Protection from injury and infection; promotion of healthy development, good nutrition, and appropriate health and fitness habits. Spring.


ECE 4940 ED-CFCS 12(0,12) Practicum: Early Childhood Development: PR: Must have completed all course work. A fieldwork practicum experience linking developmental theory with practice to provide students with a supervised, hands-on experience working with children, parents, families, and agencies. Graded S/U. Fall, Spring.

ECE 4943 ED-CFCS 12(0,12) Student Teaching: Provides opportunities for student teachers to use the knowledge and skills they acquired in a supervised public school setting. Graded S/U. Occasional.

ECE 5206 ED-CFCS 3(3,0) Organization of Instruction in Early Childhood Education: PR: Regular certificate or C.I. Organization in instruction relating to language arts, social sciences, mathematics, health and physical education, problems relating to reading readiness and cognition (K-3). Concurrent laboratory experiences. Spring.

ECE 5208 ED-CFCS 3(3,0) Creative Activities in Early Childhood: PR: Regular certificate or C.I. Organization of instruction and methods for creative activities involving music, art, literature and educational toys, integration of activities, and basic skills curriculum (K-3). Concurrent laboratory experience. Even Fall.

ECE 5745 ED-CFCS 3(3,0) Child Life: Psychosocial Care of Children in Health Settings: PR: EEC 3700 or C.I. Course teaches Child Life theory and practice to students wanting to work with children, youth, and their families in hospitals and pediatric health settings. Fall, Spring.

EEE 3307C ECS-ECE 4(3,3) Electronics I: PR: EEL 3123C. Electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring. M&S fee $15.00

EEE 3342C ECS-ECE 3(2,3) Digital Systems: PR: MAC 2311, MAC 2312, PHY 2045C, PHY 2045C all with a “C” (2.0) or better grade. Combinational and sequential logic circuits including registers, arithmetic units, memories, finite state machines, and design with programmable logic devices. Fall, Spring. M&S fee $39.00

EEE 3350 ECS-ECE 3(3,0) Semiconductor Devices I: PR: EEL 3004 or PHY 3101. Semiconductor device physics, energy band diagrams, electronic devices including p-n junctions, bipolar transistors, field effect transistors and device models. Fall, Spring.

EEE 4309C ECS-ECE 4(3,3) Electronics II: PR: EEE 3330C, EEE 3342C. Ideal Op-Amps and applications. Introduction to Logic Circuits; Bipolar, MOS and CMOS families; Flip-flops and memory cells, comparators and timing circuits; A/D and D/A convert- ers. Fall, Spring. M&S fee $20.00


EEE 4465 ECS-ECE 3(3,0) MEMS Devices and Applications: PR: EEE 3350 or C.I. Micro-Electro Mechanical Systems devices, microfabrication, sensors and actuators, bulk and surface micromachining, optical MEMS, instrumention and applications. Fall

EEE 5332C ECS-ECE 2(3,1) Thin Film Technology: PR: EEE 3350 or equivalent. Presents the various thin film deposition techniques for the fabrication of microelectronic, semiconductor, and optical devices. Occasional. M&S fee $70.00


EEE 5353 ECS-ECE 3(3,0) Semiconductor Device Modeling and Simulation: PR: EEE 3307C. Large signal and small signal model development for semiconductor diodes, BJTs, and MOSFETs. Parameter extraction, numerical algorithm, and SPICE simulation are included. Spring.

EEE 5536C 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 $70.00


EEE 5578 ECS-ECE 3(3,0) CMOS Analog and Digital Circuit Design: PR: EEC 4303C. Advanced principles and design techniques for CMOS circuit design; published results. Fall, Spring.

EEE 5590 ECS-ECE 3(3,0) Full-Custom VLSI Design: PR: EEE 3324C, EEE 3330C. CMOS VLSI design methodologies; full custom chip design, industrial CAD tools; simulation; verification. Spring.

EEF 3004 ECS-ECE 3(3,0) Electrical Networks: PR: MAC 2311, MAC 2312, MAC 2313, PHY 2045C, PHY 2045C all with a “C” (2.0) or better grade. PR: MAP 2302. Analysis and design of linear circuits, transients, ac analysis, power calculations, three-phase circuits, Laplace transform. Fall, Spring.
EEL 3041 ECS-ECE  3(3,0)  Circuit Analysis: PR: PHY 2053C. Study of electrical networks. Circuit analysis techniques are presented, includ-
ing DC and steady state analysis. Power calculations, power distribution and dissipation are covered with examples relat-
ing to cables, connections, and buses. Not open to EE or CSE majors. Fall, Spring.

EEL 3123C ECS-ECE  4(3,1)  Networked Systems: PR: EEL 3004, MAP 2302 with a "C" (2.0) or better grade. Network functions, Laplace transforms, frequency domain analysis using Fourier series and transforms, sampling theory and Z-transforms. Fall, Spring. M&S fee $15.00.

EEL 3470 ECS-ECE  3(3,0)  Electromagnetic Fields: PR: EEL 3004, Electric and magnetic fields and electromagnetic waves. Fall, Spring.


EEL 3567 ECS-ECE  3(3,0)  Linear Control Systems: PR: EEL 3230C, EGN 3420. Control theory, transfer function modeling, Nyquist criteria, root locus, Bode plots, and Design of lead and lag compensation. Fall, Spring.


EEL 4050L ECS-ECE  1(0,3)  EECS Integrated Laboratory: PR: EEL 3552C, EEL 3567, EEL 4750. Topics: Sampling, Digital FIR and IIR Filters, DSP, MATLAB. Application of digital systems to the analysis, testing, and receivers based upon AM and FM, PAM/PSK modulation. M&S fee $20.00.


EEL 4205 ECS-ECE  3(3,0)  Electric Machinery: PR: EEL 3004, Fundamentals of DC and AC electric machines. Occasional.

EEL 4216 ECS-ECE  3(3,0)  Fundamentals of Electric Power Systems: PR: EEL 3004 or C.I. Three-phase power representation and analysis, transformers, per unit system, symmetrical components, faults, and transmission lines. Spring.

EEL 4436C ECS-ECE  4(3,3)  Microwave Engineering: PR: EEL 3470. Transmission line theory. Smith charts, S-parameters, simple impedance matching circuits, wave guides, resonators, basic microwave measurements. May be repeated for credit. Odd Fall. M&S fee $35.00.

EEL 4440 ECS-ECE  3(3,0)  Optical Engineering: PR: EEL 3470, EEL 3552C or C.I. Lens systems, aberrations, sources, radiometry, detectors, photometric, interferometric devices, applications to engineering design projects. Spring.


EEL 4518 ECS-ECE  3(3,0)  Satellite Communications: PR: EEL 3552C. The principles of satellite communications, including communi-

EEL 4612 ECS-ECE  3(3,0)  Introduction to Modern and Robust Control: PR: EEL 3657. Classical control theory including differential equations and Laplace transform techniques, stability analy-

EEL 4635C ECS-ECE  4(3,3)  Computer Systems: PR: EEL 3557, Discrete-time systems, the z-transform, and simple loop computer control systems. Digital simulation in the analy-

EEL 4742C ECS-ECE  4(3,3)  Embedded Systems: PR: EEL 3801C. Microcontroller systems, assembly language programming, data repre-


EEL 4783 ECS-ECE  3(3,0)  Hardware Description Languages in Digital Systems Design: PR: EEL 3472C, EEL 3552C. Hardware descrip-

EEL 4784L ECS-ECE  3(2,1)  Telemetry and Space Computer Systems: PR: EEL 3002C and EEL 3801C, EEE 3307, EEL 3470. Telemetry and computer sub-systems are discussed as they are implemented in the space-launch system "iner-

EEL 4817H ECS-ECE  3(3,0)  Honors Current Topics in Machine Learning II: PR: Consent of Honors and EEL 4816H. Research topics in Machine Learning. Students will be assigned a research project and a faculty mentor who will supervise this project. Spring.

EEL 4818H ECS-ECE  3(3,0)  Honors Current Topics in Machine Learning I: PR: Consent of Honors and EEL 3001 or COP 3001, or STA 3032 or C.I. Machine Learning and Applications. ART Neural Networks, Genetic Algorithms, Decision Trees, Evolutionary Hardware, Evolutionary Neural Networks, and Reinforcement Learning. Fall.

EEL 4832 ECS-ECE  3(3,0)  Engineering Applications of Computer Methods: PR: MAP 3202, STA 3032, EGN 3420. Engineering applications of numerical methods, including solution of partial equations, numerical, optimization, and multidimensional root-finding, integration and series approximations. Fall, Spring.

EEL 4851C ECS-ECE  4(3,3)  Engineering Data Structures: PR: EEL 3801C. Design of data structures and algorithms, with emphasis on performance analysis, memory organization, stacks, queues, linked lists, trees, graphs, searches, and sorts. Introduction to object-oriented structures. Fall, Spring.

EEL 4872 ECS-ECE  3(3,0)  Engineering Applications of Intelligent Systems: PR: EEL 4850C or C.I. Knowledge and intelligence, predicate logic and automatic reasoning, heuristic search, knowledge rep-

EEL 4882 ECS-ECE  3(3,0)  Engineering Systems Software: PR: EEL 4851C and EEL 4742C. Introduction to operating systems concepts and applications, including multipro-

EEL 4884C ECS-ECE  4(3,3)  Engineering Software Design: PR: EEL 4851C. Software systems development life cycle, function and object-oriented methodologies, CASE, Analysis and design, and development of a large software project. Fall, Spring.

EEL 4890 ECS-ECE  3(3,0)  Continuous System Simulation I: PR: MAP 2302. Numerical integration techniques and discrete time system models for approximating the dynamics of continuous systems. Occasional.

EEL 4914 ECS-ECE  3(3,0)  Senior Design I: PR: EEE 3342C, EEL 4742C, and consent of School of EECS. Applications of engineering design to realistic and meaningful problems. Constraints such as economic factors, safety, reliability, aesthetics, ethics, social impact and engineering organizations are considered. Fall, Spring.

EEL 4915L ECS-ECE  3(0,3)  Senior Design II: PR: EEL 4914. Execution of electri-

cal and computer engineering project including complete project design review, construction, testing and demonstration.

EEL 5173 ECS-ECE  3(3,0)  Linear Systems Theory: PR: EEL 3567. Models and properties of linear systems, transform, controllability and observability, control and observer designs, MFD, and realization theory. Spring.

EEL 5185 ECS-ECE  3(3,0)  System Identification: PR: EEL 4750 or C.I. Dynamic systems, models of time-variant and linear and nonlinear systems, nonparametric frequency- and time-


EEL 5272 ECS-ECE  3(3,0)  Biomedical Sensors: PR: EEL 4750 or EEL 4532 or C.I. Study of engineering concepts behind the various biomedical sensors used to monitor a patient undergoing clinical therapy. Occasional.

EEL 5432 ECS-ECE  3(3,0)  Satellite Remote Sensing: PR: EEL 4740 or PHY 4324. Fundamentals of satellite remote sensing, orbit and geometry, radiative transfer theory, microwave and infrared sensing techniques, ocean, ice and atmosphere geophysi-

EEL 5437C ECS-ECE  4(3,3)  Microwave Engineering: PR: EEL 3470 or C.I. Transmission line theory. Smith charts, S-parameters, simple impedance matching circuits, wave guides, resona-
tors, basic microwave measurements. Even Fall. M&S fee $40.00.

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EEL 5439C ECS-ECE 3(2,1) RF and Microwave Communications: PR: EEL 4430C or equivalent. RF and microwave active circuits microstrip amplifier, oscillator, and mixer design and fabrication. Receiver design, noise, familiarization with network and spectrum analyzers. Occasional. M&S fee $40.00

EEL 5462C ECS-ECE 3(3,1) Antenna Analysis and Design: PR: EEL 3470 or equivalent. Fundamentals of antennas; dipoles, loops, arrays, apertures, and horns. Analysis and design of various antennas. Odd Fall.


EEL 5517 ECS-ECE 3(3,0) Surface Acoustic Wave Devices and Systems: PR: EEL 3532C. Course discusses SAW technology which includes the physical phenomenon, transducer design and synthesis, filter design and performance parameters. Actual devices and communication systems are presented. Occasional.


EEL 5560 ECS-ECE 3(3,0) Automated Control Systems: PR: C.I. Designed to develop basic understanding of advanced control methods for nonlinear systems described by ordinary and partial differential equations and to expose recent results and ongoing research issues in this field of MEMS. Occasional.

EEL 5563 ECS-ECE 3(3,0) Digital Control Systems: PR: EEL 3537. Real-time digital control system analysis and design, Z-transforms, sampling and reconstruction, time and frequency response, stability analysis, digital controller design. Fall.

EEL 5569 ECS-ECE 3(3,0) Autonomous Robotic Systems: PR: EEL 3537 or C.I. Introduction to robotic with emphasis on kinematics, dynamics, trajectory planning, regulation and tracking, formation control, and cooperative rules and behaviors of robotic vehicles. Odd Fall.

EEL 5600 ECS-ECE 3(3,0) Introduction to Medical Robotics and Tele-Operation: PR: EEL 3567 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptic, tele-operation and network based control, basics of laparoscopic surgery. Occasional.

EEL 5704 ECS-ECE 3(3,0) Computer Aided Logical Design: PR: EEL 4742C. Design, analysis and synthesis of sequential logic circuits and systems. Data path and controller design using a hardware description language. Occasional.

EEL 5722C ECS-ECE 3(3,1) Field-Programmable Gate Array (FPGA): PR: EEE 3342C or C.I. FPGA architectures, design flow, technology mapping, placement, routing, reconfiguration computing applications, and evolvable hardware. Even Fall.


EEL 5780 ECS-ECE 3(3,0) Wireless Networks: PR: EEL 4781 or C.I. The wireless networking topics include: cellular networks, multiple access protocols, channel assignment and resource allocation, mobility and location management, handoffs, routing, authentication, call admission control and QoS provisioning, network layer issues, wireless data networking (WAP, GSM, GPRS, CDMA, WCDMA). Even Spring.

EEL 5820 ECS-ECE 3(3,0) Image Processing: PR: MAP 2302, EGN 3420, EEL 4750 or C.I. Two-dimensional signal processing techniques; pictorial image representation; spatial filtering; image enhancement and encoding; segmentation and feature extraction; introduction to image understanding techniques. Odd Spring.

EEL 5825 ECS-ECE 3(3,0) Pattern Recognition: PR: EGN 4230 or C.I. Preliminaries of pattern recognition, Bayesian Decision Theory, linear discriminant functions, Neural Network approaches, decision tree classifiers, unsupervised learning and clustering, non-parametric techniques, and other topics reflecting the state-of-the-art. Occasional.

EEL 5860 ECS-ECE 3(3,0) Software Requirements Engineering: PR: Graduate standing or C.I. Excellent oral and written communication skills. Excellent problem solving skills. In-depth study of software requirements engineering within a process centered framework. Methods for requirements elicitation, analysis, description, and validation. Formal and informal specification. Occasional.

EEL 5874 ECS-ECE 3(3,0) Expert Systems and Knowledge Engineering: PR: EEL 4672 or CAP 4630 C.I. Introduction to expert systems in engineering. Expert systems tools and interviewing techniques. This course is hands-on and project oriented. Spring.

EEL 5881 ECS-ECE 3(3,0) Software Engineering I: PR: COP 4331C or C.I. Design, implementation, and testing of computer software for Engineering applications. Fall, Spring.


EEL 5936 ECS-ECE 0(1,0) Current Topics in ECECS: PR: Open to all ECE graduate students. Lectures presented by ECE and national experts will provide our students a broad view of the state of the art EE and CE fields. Graded S/U. Occasional.


EES 4202C ECS-CECE 4(3,3) Chemical Process Control: PR: EEL 4001 with a grade of “C” (2.0) or better. Engineering design, measurement and analysis of biological systems in environmental engineering for water management, bioremediation products, wastewater treatment, and others. Spring. M&S fee $59.00

EES 5318 ECS-CECE 3(3,0) Industrial Ecology: PR: EEL 3901, EEL 4341. Discussion of similarity between ecological systems and industrial systems with the emphasis on material cycles, energy flow, pollution prevention, organizational structures, and environmental management. Occasional.

EES 5605 ECS-CECE 3(3,0) Outdoor Noise Control: PR: C.I. Community noise evaluation and control, legislative standards, instrumentation and measurement, abatement methods, and noise modeling. Occasional.

EEX 2010 ED-CFC 3(3,0) Introduction to Special Education: Orientation to the education of children and adolescents with special needs in the schools. The course includes characteristics, trends, mainstreaming, and other issues. Fall, Spring.

EEX 2090 ED-CFC 3(3,0) Exceptional Populations in School and Society: Characteristics of exceptionalities in school and society; to increase student awareness and comfort levels with individuals with exceptionalities. Fall, Even Spring.

EEX 2758 ED-CFC 2(2,0) Enhancing Family Involvement in Education: Development of partnerships with families of students with disabilities and their communities to address the educational needs of all students. Fall, Spring.

EEX 3102 ED-CFC 3(3,0) Language Development and Communication Disorders: PR: Junior standing. Interdisciplinary approach to language development, identification and remediation of communication and language disorders. Occasional.

EEX 3221 ED-CFC 3(3,0) Assessment of Exceptional Students: Formal and informal assessment techniques for screening, placement, program planning, program evaluation, and monitoring of progress of exceptional students. Fall, Spring.

EEX 3241 ED-CFC 3(3,0) Methods for Academic Skills for Exceptional Students: PR: EEX 2010, EEX 3861. Teaching strategies, instructional materials, and monitoring techniques for children and adolescents with special needs. Must be taken before internship I. Fall, Spring.

EEX 3243 ED-CFC 3(3,1) Techniques for Exceptional Adolescents-Adults: PR: EEX 3241. A study of strategies, basic and functional content, career and vocational educational, and transition planning for adolescents and adults with special needs. Fall.

EEX 3450 ED-CFC 3(3,0) Young Children With Special Needs: Provides an overview of the unique field of early childhood special education, its mission, and approaches to helping young children and their families. Spring.

EEX 3754 ED-CFC 3(3,0) Parents as Educators: Develop parental awareness of their role in child development and school success. Attention given to social context of parenting and parents as advocates for children. Occasional.


EEX 3942 ED-CFC 3(3,0) Internship I Exceptional Education: PR: EEDG 4410, RED 3012, EEX 2010, EEX 3241, MAE 2501. Student teaching in exceptional education in both elementary and secondary school settings under the supervision of a certified classroom teacher. Graded S/U. Fall, Spring.


EEX 4066 ED-CFC 3(3,0) Curriculum, Theory and Instructional Strategies for Students with Special Needs: PR: EEX 3241, RED 3012, LAE 4314. Theoretical concepts, curriculum development and specialized strategies for students with special needs. Occasional.

EGN 1006C ECS-ECS 1(1,2) Introduction to the Engineering Profession: PR: New students status or C.I. Overview of academic and professional requirements in various engineering disciplines.

EGN 1007C ECS-ECS 1(1,2) Engineering Concepts and Methods: PR: EGN 1006C and successful completion of the portfolio. Instruction and management strategies for secondary general education teachers to use in working with students with disabilities. Fall, Spring.

EGN 1036C ECS-IEMS 2(1,1) Foundations of Leadership: PR: LEAD Scholars Program. Seminar for LEAD Scholars in the College of Engineering & Computer Science providing a foundation of leadership, scholarship, and service regarding disciplines in the college. Fall, Spring.


EGN 2920C ECS-IEMS 2(1,1) LEAD Colloquium: PR: C.I., LEAD Scholars Program. Must have completed at least two of the following with a grade of B or better, IDS 1040C, GEB 1091C, EGN 1006C, and New student status or C.I. Introduction to the use of technology for students with special needs. Fall, Spring.

EGN 3343 ECS-MMAE 3(3,0) Thermodynamics: PR: EGN 3321, MAP 2302. Work, heat, energy transformations. Relation of properties. Laws, concepts, and models of analysis common to all applications of thermodynamics in engineering. Fall, Spring.

EGN 3343H ECS-MMAE 3(3,0) Thermodynamics Honors: PR: Honors status; CR: EGN 3321 or EGN 3312H, & MAP 2302. Work, heat, and energy transformations. Relations of properties. Laws, concepts, and models of analysis common to all applications of thermodynamics in engineering. Honors content. Spring.


EGN 3373 ECS-ECE 3(3,0) Principles of Electrical Engineering: PR: PHY 2040C, CR: MAP 2302. Fundamentals of electrical circuits and analysis; fundamentals of electronics and AC power systems; transformers, electromechanics and rotating machines. Fall, Spring.


EGN 3420 ECS-ECE 3(3,0) Engineering Analysis: PR: High-level computer language; MAC 2112. Engineering applications of numerical methods including curve fitting, matrix operations, root finding, interpolating, integration and plotting. Fall, Spring.


EGN 3843 ECS-IEMS 3(3,0) Systems Modeling: PR: CSS 1060C or equivalent. Representation of mammalian systems through analytic, computer-based models. Case studies in the analysis and improvement of systems in industry, education, and government. Occasional.


EGN 3935 ECS-ECS 0(2,0) Leadership in Engineering I: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Fall.

EGN 3936 ECS-ECS 0(2,0) Leadership in Engineering II: PR: Junior standing in a CECS major. Leadership roles for engineers are presented by prominent professionals in industry and government. Graded S/U. Spring.

EGN 4412C ECS-MMAE 3(1,5) Interdisciplinary Design I: PR: Industrial: EIN 4340C; Comp and Elect: EEE 3307C, EEL 3687, EEL 3302C, EEL 3301C; Aero: EAS 3810C; CR: EML 4312C, EAS 4404C; Comp Sci: COT 3900, COT 3503C; Mech: EML 3500, EML 3701, EML 3303C, CR: EML 4512C, EML 4800C. Application of the design process for interdisciplinary students to solve state-of-the-art engineering problems by system analysis, design, integration, manufacture and testing methods. Fall.

EGN 4413C ECS-MMAE 3(1,5) Interdisciplinary Design II: PR: EGN 4412C. Coordination of Interdisciplinary Design I May be repeated for credit. Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>EGN 4624</td>
<td>ECS-IEMS</td>
<td>Engineering Administration</td>
<td>3(3,0)</td>
<td>PR: Senior standing, Engineering organization and administration; delegation of authority and responsibility; effective use of resources; project management; R and D planning; ethics in professional practice. Fall, Spring.</td>
</tr>
<tr>
<td>EGN 4641C</td>
<td>ECS-ECS</td>
<td>Engineering Entrepreneurship</td>
<td>3(2,2)</td>
<td>PR: Senior standing, and EGN 4102 or C.I. All aspects of a successful engineering entrepreneurship enterprise. Content includes lectures, case studies, and seminars. Active student participation. Course material is augmented through seminars given by engineers, business people, and specialists, based on their own experiences. Occasional.</td>
</tr>
<tr>
<td>EGN 4706C</td>
<td>ECS-MMAE</td>
<td>Small Satellite Payloads and Integration</td>
<td>3(2,4)</td>
<td>PR: EML 3300C OR EAS 3800C OR EEL 3801C OR ESI 4523C. Evaluate overall impact of integration and design concepts on various satellite component subsystems and their payloads into a small satellite system design leading to a final configuration. Occasional. M&amp;S fee $45.00.</td>
</tr>
<tr>
<td>EGN 4707C</td>
<td>ECS-MMAE</td>
<td>Processing Space-Launch Systems</td>
<td>3(2,4)</td>
<td>PR: For ECE 3900C or EEL 4744C; For EME 4526C: For MAE: EAS 3800C. Assembly and test techniques for preparing and check-out of the space-launch system “Inertial Upper Stage.” May be repeated for credit. Occasional.</td>
</tr>
<tr>
<td>EGN 4824C</td>
<td>ECS-ECS</td>
<td>Environ Society: Investigation of available energy forms, energy resources versus requirements in an increasingly complex technological society; possible solutions and future predictions. Occasional.</td>
<td></td>
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</tr>
<tr>
<td>EGN 4921C</td>
<td>ECS-IEMS</td>
<td>Interdisciplinary Research and Development</td>
<td>2(2,1)</td>
<td>PR: Junior standing or Computer Science major. Research and methodology seminar. Topics to include: intellectual property, patents, global R&amp;D, dissemination of findings. Seminar presentations by guest research lecturers. Occasional.</td>
</tr>
<tr>
<td>EGN 4929C</td>
<td>ECS-ECS</td>
<td>Interdisciplinary Research and Development II</td>
<td>2(1,1)</td>
<td>PR: EGN 4921C. Continuation of EGN 4921C. Occasional.</td>
</tr>
<tr>
<td>EGN 4931H</td>
<td>ECS-ECS</td>
<td>Engineering Honors Seminar</td>
<td>3(3,0)</td>
<td>PR: Permission of Honors and Senior standing and C.I. Introduces a select group of students in engineering or other fields of science to the methodology commonly employed in research. Students will carry out independent research which will prepare them for graduate study. Occasional.</td>
</tr>
<tr>
<td>EGN 4933C</td>
<td>ECS-ECS</td>
<td>Professional Practice I</td>
<td>1(1,1)</td>
<td>PR: Junior standing in engineering or computer science. Contemporary global technical issues, professional development, lifelong learning, and ethical responsibilities. Community service and/or community outreach projects required. Occasional.</td>
</tr>
<tr>
<td>EGN 4934C</td>
<td>ECS-ECS</td>
<td>Professional Practice II</td>
<td>2(1,2)</td>
<td>PR: EGN 4933C. Continuation of EGN 4933C. Occasional.</td>
</tr>
<tr>
<td>EGN 5035</td>
<td>ECS-ECS</td>
<td>Topics in Technological Development</td>
<td>3(3,0)</td>
<td>PR: Selected topics in the technological development of western civilization including the weight-driven clock, steam engine, electric light, etc. Occasional.</td>
</tr>
<tr>
<td>EGN 5720</td>
<td>ECS-IEMS</td>
<td>Internal Combustion Engine Analysis and Optimization</td>
<td>3(2,3)</td>
<td>PR: EGN 3343 or EGN 3355 or C.I. Internal combustion engine operating principles. Topics covered include engine design and operating parameters, combustion, thermodynamics, induction flow, and basic mathematical models. Even Fall, Even Spring. M&amp;S fee $45.00.</td>
</tr>
<tr>
<td>EGN 5840</td>
<td>ECS-MMAE</td>
<td>Small Rocket Applications for Teachers</td>
<td>3(3,0)</td>
<td>PR: Admission to Lockheed/UCF Teaching Academy. Earth and space environments, rocket propulsion, meteorological and environmental measurements, payload launch procedures, orbits and trajectories, safety, model rocket experiments, field trips, student science experiments. Occasional.</td>
</tr>
<tr>
<td>EGN 5855C</td>
<td>ECS-IEMS</td>
<td>Metrology</td>
<td>3(2,2)</td>
<td>PR: EIN 4391C or C.I. Advanced topics in inspection and measurement with applications in engineering and manufacturing. Occasional.</td>
</tr>
<tr>
<td>EGN 5858C</td>
<td>ECS-IEMS</td>
<td>Prototyping and Product Realization</td>
<td>3(2,1)</td>
<td>PR: Basic knowledge and experience in CAD/CAM technology or C.I. Product design and development cycle including design for functionality and manufacturability. Fundamentals, applications, and practice of rapid prototyping and reverse engineering technologies. Spring. M&amp;S fee $50.00.</td>
</tr>
<tr>
<td>EIN 3001</td>
<td>ECS-IEMS</td>
<td>Introduction to Industrial Engineering and Management Systems</td>
<td>3(3,0)</td>
<td>PR: ECE 3143 or C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.</td>
</tr>
<tr>
<td>EIN 3314</td>
<td>ECS-IEMS</td>
<td>Work Analysis and Manuf Design</td>
<td>3(3,0)</td>
<td>PR: STA 3032 or C.I. Introduction to lean six sigma analysis as applied to design and improvement of work systems in any organization. Various data collection and analysis methods utilized. Fall.</td>
</tr>
<tr>
<td>EIN 3345</td>
<td>ECS-IEMS</td>
<td>Principles of Cost Engineering</td>
<td>3(3,0)</td>
<td>PR: EGN 4613. This course is to provide engineers from all disciplines the background for the cost estimation of engineering systems throughout the product life cycle. Fall.</td>
</tr>
<tr>
<td>EIN 4191C</td>
<td>ECS-IEMS</td>
<td>Engineering Leadership Seminar I</td>
<td>2(2,2)</td>
<td>PR: Junior or better standing in engineering with C.I. Progressive engineering leadership development (interspersed to inter-personal to organizational to community) via a combination of experiential and practical experiences in engineering-specific corporate and community settings. Fall.</td>
</tr>
<tr>
<td>EIN 4192C</td>
<td>ECS-IEMS</td>
<td>Engineering Leadership Seminar II</td>
<td>2(2,2)</td>
<td>PR: EIN 4191C. Continuation of EIN 4191C. Spring.</td>
</tr>
<tr>
<td>EIN 4214</td>
<td>ECS-IEMS</td>
<td>Safety Engineering and Administration</td>
<td>3(3,0)</td>
<td>PR: EIN 4191C. Analysis of accidents in the industrial operating environment. Application of fault trees, OSHA requirements. Consideration of accident costs and organizational aspects of accident prevention. Occasional.</td>
</tr>
<tr>
<td>EIN 4243C</td>
<td>ECS-IEMS</td>
<td>Human Engineering</td>
<td>3(2,2)</td>
<td>PR: STA 3032 or C.I. Man/machine systems; design and conduct of human engineering studies. Spring.</td>
</tr>
<tr>
<td>EIN 4333</td>
<td>ECS-IEMS</td>
<td>Production and Distribution Systems</td>
<td>3(3,0)</td>
<td>PR: ESI 4312 or C.I. Decision policies in manufacturing and logistics systems including forecasting, production planning, operations scheduling, deterministic and stochastic inventory control and project scheduling. Spring.</td>
</tr>
<tr>
<td>EIN 4364</td>
<td>ECS-IEMS</td>
<td>Facilities Planning</td>
<td>3(3,0)</td>
<td>PR: EIN 3314, EIN 3355, EIN 4628C; CR: EIN 4333, EIN 4391 or C.I. Planning and design of production systems including interrelationships between process layouts, material handling, warehousing and site selection. Spring. M&amp;S fee $20.00.</td>
</tr>
<tr>
<td>EIN 4391</td>
<td>ECS-IEMS</td>
<td>Manufacturing Engineering</td>
<td>3(3,0)</td>
<td>PR: C.I. or CHS 1440 and Junior Standing or C.I. Introduction to manufacturing engineering, with emphasis on current and emerging technologies in metalworking and electronics. Fall, Spring.</td>
</tr>
<tr>
<td>EIN 4459</td>
<td>ECS-IEMS</td>
<td>Principles of Concurrent Engineering</td>
<td>3(3,0)</td>
<td>PR: C.I. Principles of concurrent engineering and its application. Topics include quality function deployment and design for manufacturing and assembly. Even Spring.</td>
</tr>
<tr>
<td>EIN 4516C</td>
<td>ECS-IEMS</td>
<td>Systems Analysis and Design</td>
<td>3(2,2)</td>
<td>PR: ESI 4523C, EIN 4384 or C.I. Systems analysis methodology, system requirements, specifications, system design methodology and decision support. Consulting skills and client interactions. Initiation of senior design projects. Fall.</td>
</tr>
<tr>
<td>EIN 4517</td>
<td>ECS-IEMS</td>
<td>Systems Engineering</td>
<td>3(3,0)</td>
<td>PR: STA 3032 or C.I. Fundamentals of principles of systems engineering and their application to the development of industrial complex engineered systems. Fall.</td>
</tr>
<tr>
<td>EIN 4545</td>
<td>ECS-IEMS</td>
<td>Industrial Engineering Applications in The Service Industries</td>
<td>3(3,0)</td>
<td>PR: EIN 3314, ESI 4312, C.I. ESI 4324 or C.I. Application of industrial engineering principles to improve the quality and productivity of service industries such as restaurants, banks, hotels, health care, etc. Fall.</td>
</tr>
<tr>
<td>EIN 4621C</td>
<td>ECS-IEMS</td>
<td>Computer-Aided-Manufacturing</td>
<td>3(2,2)</td>
<td>PR: EIN 4391C. Computer-Aided Manufacturing (CAM) including computer numerical control (CNC), robotics, parts classification (GT) and manufacturing resource planning (MRP). Occasional.</td>
</tr>
<tr>
<td>EIN 4891C</td>
<td>ECS-IEMS</td>
<td>Industrial Engineering Senior Design Project</td>
<td>3(2,3)</td>
<td>PR: EIN 4151C. Senior standing. Capstone design course; application of IEMS techniques to real-world design applications. Spring.</td>
</tr>
<tr>
<td>EIN 5108</td>
<td>ECS-IEMS</td>
<td>The Environment of Technical Organizations</td>
<td>3(3,0)</td>
<td>PR: Graduate status or C.I. EGN 4624 recommended. Presentation and investigation into the principles required to transform technologists into managers focusing on engineers, scientists, and other professionals providing services in technically-oriented organizations. Fall.</td>
</tr>
<tr>
<td>EIN 5117</td>
<td>ECS-IEMS</td>
<td>Management Information Systems I</td>
<td>3(3,0)</td>
<td>PR: C.I. The design and implementation of computer-based Management Information Systems. Content is given to the organizational, managerial, and economic aspects of MIS. Spring.</td>
</tr>
<tr>
<td>EIN 5140</td>
<td>ECS-IEMS</td>
<td>Project Engineering</td>
<td>3(3,0)</td>
<td>PR: Graduate standing of C.I. Role of engineer in project management with emphasis on project life cycle, quantitative and qualitative methods of cost, schedule, and performance control. Fall, Spring.</td>
</tr>
<tr>
<td>EIN 5248C</td>
<td>ECS-IEMS</td>
<td>Ergonomics</td>
<td>3(2,2)</td>
<td>PR: C.I. Applications of anthropometry, functional anatomy, mechanics, and physiology of musculoskeletal system concepts in the engineering design of industrial tools, equipment, and workstations. Fall.</td>
</tr>
<tr>
<td>EIN 5251</td>
<td>ECS-IEMS</td>
<td>Usability Engineering</td>
<td>3(3,0)</td>
<td>PR: STA 3032 or equivalent. Usability paradigms/principles; cognitive walk-throughs; heuristic, review-based, model-based, empirical and story-board evaluation; techniques; query techniques, laboratory techniques; and field study approaches. Occasional.</td>
</tr>
<tr>
<td>EIN 5255C</td>
<td>ECS-IEMS</td>
<td>Interactive Simulation</td>
<td>3(2,2)</td>
<td>PR: Graduate standing or C.I. Introduction to significant topics relative to the development and use of simulators for knowledge transfer in the technical environment. Fall, Spring.</td>
</tr>
<tr>
<td>EIN 5317</td>
<td>ECS-IEMS</td>
<td>Training System Design</td>
<td>3(3,0)</td>
<td>PR: Seniors, post bac or graduate standing or C.I. How human performance deficiencies should be addressed from a systems design point of view. Manpower, personnel, and training considerations will be examined. Fall.</td>
</tr>
<tr>
<td>EIN 5346</td>
<td>ECS-IEMS</td>
<td>Engineering Logistics</td>
<td>3(3,0)</td>
<td>PR: C.I. Study of the logistics life cycle involving planning, analysis and design, testing, production, distribution, and support. Occasional.</td>
</tr>
<tr>
<td>EIN 5356</td>
<td>ECS-IEMS</td>
<td>Cost Engineering</td>
<td>3(3,0)</td>
<td>PR: C.I. Cost estimation and control of engineering systems throughout the product life cycle. Spring.</td>
</tr>
</tbody>
</table>

EIN 5388  ECS-EMS  3(3,0)
Forecasting: PR: ESI 5210. Industrial applications of forecasting methods with emphasis on microcomputer-based packages. Occasional.

EIN 5392C  ECS-EMS  3(2,2)
Manufacturing Systems Engineering: PR: EIN 4391C or C.I. The integration of manufacturing technologies and information processing concepts into a system for controlling the manufacturing enterprise. Even Spring. M&S fee $20.00

EIN 5607C  ECS-EMS  3(2,2)
Computer Control of Manufacturing Systems: PR: EIN 4391C, and EIN 4521C or EML 4535C, or C.I. Automated systems for manufacturing, numerical control (NC) machines, NC programming, robot control and programming, machine and system control. Odd Spring. M&S fee $45.00

EIN 5936  ECS-EMS  1(1,0)
Seminar in Industrial Engineering: Doctoral Research: A directed study on specialized topics for doctoral research, including research areas, skills, funding, proposals, ethics, mentors, seminars, societies, conferences, presentations, interviewing, grants, and publishing. Fall.

ELD 4011  ED-CFCS  3(3,0)
Intro to Specific Learning Disabilities: Nature and needs of students with learning disabilities to include history, theories, characteristics, definitions, assessments, issues, and application of effective teaching practices. Occasional.

ELD 4241  ED-CFCS  3(4,0)

ELD 4242  ED-CFCS  3(3,0)
Program Planning for Specific Learning Disabilities: PR: Senior standing. Development of highly specialized techniques, curriculum materials, to be used with students with special learning disabilities. Occasional.

EMA 1002  ECS-MMAE  3(3,0)

EMA 3000  ECS-MMAE  3(3,0)

EMA 3012C  ECS-MMAE  3(2,2)
Experimental Techniques in Mechanics and Materials: PR: EGN 3865, EGM 3601. Materials characterization (optical and scanning electron microscopy, x-ray diffraction), heat treatment, mechanical testing (hardness, tensile, impact, etc.). Fall. Spring. M&S fee $45.00

EMA 3014  ECS-MMAE  3(3,0)

EMA 3124  ECS-MMAE  3(3,0)
Design and Selection of Materials: PR: EGM 3801, and EMA 3365 or EMA 3701. Relationship between processing, structure and properties of various engineering materials and their selection in engineering design. Fall.

EMA 3691  ECS-MMAE  3(3,0)

EMA 3706  ECS-MMAE  3(3,0)
Structure and Properties of Aerospace Materials: PR: CHS 1440 or CHM 2045C and MAC 2312. Atomic structure, bonding, crystal structures, solidification, phase transformations, heat treatment, mechanical behavior, specific aerospace materials, materials design. Fall.

EMA 4102  ECS-MMAE  3(3,0)
Thermodynamics and Kinetics of Materials: PR: EGN 3434, EGN 3695 or EMA 3706; and a "C" (2.0) or better in all of the following: CHS 1440 or CHM 2045C, MAC 2311, MAC 2312, MAC 2313, MAP 2302 and PHY 2048. Application of first and second and third laws of thermodynamics to materials, phase diagrams, statistical thermodynamics, kinetic processes in materials, diffusion, nucleation and growth, and phase transformations. Fall.

EMA 4223  ECS-MMAE  3(3,0)

EMA 4413  ECS-MMAE  3(2,2)

EMA 4501  ECS-MMAE  3(2,2)

EMA 4503  ECS-MMAE  3(3,0)

EMA 4506  ECS-MMAE  3(3,0)

EMA 4606  ECS-MMAE  3(3,0)

EMA 4701C  ECS-MMAE  3(2,4)

EMA 5060  ECS-MMAE  3(3,0)

EMA 5104  ECS-MMAE  3(3,0)

EMA 5106  ECS-MMAE  3(3,0)

EMA 5108  ECS-MMAE  3(3,0)
Surface Science: PR: PHY 2049C and C.I. Methods of characterizing and physical analysis of surfaces, with emphasis on ultra-high vacuum spectroscopic utilizing electron, ion and photon probes. Occasional.

EMA 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.

EMA 5317  ECS-MMAE  3(3,0)

EMA 5326  ECS-MMAE  3(3,0)

EMA 5415  ECS-MMAE  3(3,0)
Electronic Principles of Materials Properties: PR: EGN 3365 or C.I. This course will cover electron theory and band structure; electrical, optical, magnetic, and thermal properties of metals, semiconductors and insulators, including device examples. Fall.

EMA 5504  ECS-MMAE  3(2,2)
Modern Characterization of Materials: PR: EMA 5104 or C.I. Techniques and operation of instrumentation (light, scanning, transmission, and auger microscopy) for the characterization of structure, defects, composition, and surfaces. Occasional.

EMA 5505  ECS-MMAE  3(2,2)
Scanning Electron Microscopy: PR: EMA 5104 or C.I. A review of electron optics, beam/specimen interactions, image formation, X-ray analysis, specimen preparation, microelectronic applications and crystallography in the SEM. Occasional.

EMA 5517  ECS-MMAE  3(2,2)
Advanced Materials Characterization by Ion Beam Analysis: PR: EMA 5504 or C.I. Principle of interactions between ion beam and solid materials; sputtering and scattering theories; fundamentals and applications of secondary ion mass and Rutherford Backscattering spectrometry. May be repeated for credit. Occasional.

EMA 5584  ECS-MMAE  3(3,0)

EMA 5585  ECS-MMAE  3(3,0)
Materials Science of Thin Films: PR: Graduate standing or C.I. Interaction of thin film processing techniques with the structure and properties of the materials deposited. Odd Fall.

EMA 5586  ECS-MMAE  3(3,0)
Photovoltaic Solar Energy Materials: PR: EGN 3365. Materials properties basic to photovoltaics, structures, homojunction, heterojunction, and surface barrier solar cells, AM1D-1 modeling of c-Si, GaAs bulk and a-Si, CIGS, and CdTe thin film solar cells. May be repeated for credit. Occasional.

EMA 5587C  ECS-MMAE  3(2,2)

EMA 5588  ECS-MMAE  3(3,0)
Biocompatibility of Materials: PR: EGN 3365 or C.I. Biocompatibility and biocompatibility interactions; engineering bone and cartilage; soft-tissue replacements; total hip replacements; nanostructured biomaterials, imaging techniques, preservation techniques for biomaterials, MSDS and FDA compatibility data. Occasional.
UCF Courses and Descriptions

EUH 4610H CAH-HIST 3(3,0) Honors Women in European Society: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to the changing situation of women in Europe across space and over time with honors-level content. Occasional.

EUH 4620 CAH-HIST 3(3,0) European Great Powers: 1815-1914: PR: EUH 2001 or EUH 2001 or C.I. Study of the Congress of Vienna, Metternich's system Crimean War, unifications of Italy & Germany, the Bismarckian era, the alliance systems, and the outbreak of World War I. Occasional.

EUH 4663 CAH-HIST 3(3,0) History of Communism in Europe: PR: EUH 2001 and EUH 2001. History of communist movements and regimes in Europe from mid-19th century to the fall of the Berlin Wall. The course focuses on the history of communism outside of Russia and opposition to the communist regimes. Occasional.


EUH 4674H CAH-HIST 3(3,0) Honors Sports & Society in the Ancient World: PR: GEP Honors completion or permission of Honors. Interdisciplinary approach to comparing the Olympic Games and other ancient athletic spectacles with their modern counterparts with honors-level content. Occasional.

EUH 5247 CAH-HIST 3(3,0) Colloquium in Europe from 1919-1939: PR: Graduate status or senior standing or C.I. Reading and class discussion of the literature on selected topics in European history between 1919 and 1939. Occasional.

EUH 5285 CAH-HIST 3(3,0) Colloquium in Czarist Russia: PR: Graduate status or senior standing or C.I. Selected topics on the literature of Russia under the Czars prior to 1917. Occasional.

EUH 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 CAH-BIOL 1(1,0) Seminar in Conservation Issues: PR: Graduate status or senior standing or C.I. Contemporary topics stressing the base broad wave of conservation issues will be the focus of this seminar series. May be repeated for credit only when course content is different. Occasional.


EXP 4507C COS-PSYCH 3(1,4) Advanced Human Memory and Cognition: PR: PSY 3213C. EXP 3590C. In-depth coverage of experiential research on human memory and cognition. Occasional. M&S fee $15.00

EXP 5028 COS-PSYCH 3(3,0) Sensation and Perception: PR: Graduate status or senior standing or 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 bac, or senior standing with C. An overview of issues related to enhancing quality of life by older 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 interfaces with human-machine systems. Fall.

EXP 5445 COS-PSYCH 3(3,0) Psychology of Learning and Motivation: PR: DEP 5507, and graduate status or senior standing or C.I. Examination 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/Aesthetics: PR: Digital Media or Cinema Studies major. Analysis and practice of aesthetic principles essential in filmmaking, including composition, moving graphics, image design, lighting styles. Fall, Spring. M&S fee $5.00

FIL 1424 CAH-FILM 3(3,0) Film Production Tools: Basic tools of filmmaking, including digital video cameras, 16 mm cameras, basic lighting equipment, non-linear editing equipment, sound recording and mixing, laboratory processing, and digital post-production. Occasional.

FIL 2030 CAH-FILM 3(2,2) History of Motion Pictures: The history of motion pictures as art and industry, from 1895 to the present. Fall, Spring. M&S fee $0.00

FIL 2107 CAH-FILM 3(3,0) Script Analysis: PR: or CR: ENC 1101 and FIL 1007. Introduction to dramatic and visual storytelling techniques used by 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, Spring.

FIL 2480 CAH-FILM 3(3,0) Directing for Film I: PR: FIL 1007, FIL 1008, and FIL 3427C. PR or CR FIL 3115. Introduction to processes and techniques for film directing. Spring.

FIL 2481 CAH-FILM 3(3,0) Directing the Actor for Film I: PR: Film BFA or World Cinema major. Developing an ability to direct and work with film actors effectively, using various acting and directing techniques. Spring.

FIL 2552 CAH-FILM 3(3,0) Editing I: PR: FIL 1008 and FIL 3427C. PR or CR: FIL 3115. Basic editing concepts and techniques, using non-linear editing systems. Spring, M&S fee $5.00.

FIL 3006 CAH-FILM 3(3,0) Art of the Cinema: PR: FIL 2030. An analysis of basic elements of cinematic style including film direction, editing, cinematography, art direction and sound. Fall, Spring. M&S fee $5.00.

FIL 3035C CAH-FILM 3(3,1) Film Histories II: PR: FIL 3030. Surveys and questions historical approaches to film and seeks to open up the field of historical enquiry to a variety of views. Fall.

FIL 3036 CAH-FILM 3(3,0) Film History I: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema or Cinema Studies major. Examines film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers cinema history from 1895 to 1945. Fall.

FIL 3037 CAH-FILM 3(3,0) Film History II: PR: FIL 2030, FIL 2107 and Film BFA, World Cinema, or Cinema Studies major. Film history in a depth of detail and with rigor that is appropriate for majors in the subject. This course covers from 1946 to the present. Spring.

FIL 3041 CAH-FILM 3(3,0) History of Animated Films: PR: Cinema Studies, Art, Animation or Digital Media major. Evolution of animation from its roots in Art, Theatre, and Novelty Inventions to its rise as a cinematic force of popular storytelling. Even Fall.

FIL 3051 CAH-FILM 3(3,0) Avant-Garde Cinema: PR: Junior standing or C.I. History and aesthetics of Avant-Garde Cinema with an emphasis on post WWII North American films and filmmaking. Spring, M&S fee $10.00.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIL 3070C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Cinema in the 1920s: PR: FIL 3035C. Films of the 1920s as they pertain to the political, social, cultural, and artisitic context of the period. Occasional.</td>
</tr>
<tr>
<td>FIL 3071C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Cinema in the 1930s: PR: FIL 3035C. Films of the 1930s as they pertain to the political, social, cultural, and artisitic context of the period. Occasional.</td>
</tr>
<tr>
<td>FIL 3072C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Cinema in the 1940s and 1950s: PR: FIL 3035C. Films of the 1940s and 1950s as they pertain to the political, social, cultural, and artisitic context of the period. Occasional.</td>
</tr>
<tr>
<td>FIL 3073C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Cinema in the 1960s and 1970s: PR: FIL 3035C. Films of the 1960s and 1970s as they pertain to the political, social, cultural, and artisitic context of the period. Occasional.</td>
</tr>
<tr>
<td>FIL 3074C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Cinema 1980s to the Present: PR: FIL 3035C. Films from the 1980s and onward as they pertain to the political, social, cultural, and artisitic context of the period. Occasional.</td>
</tr>
<tr>
<td>FIL 3075C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Film and Modernism I: PR: FIL 3035C and ARH 2001. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.</td>
</tr>
<tr>
<td>FIL 3076C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Film and Modernism II: PR: FIL 3075C and ARH 2061. A continuation of Film and Modernism I. This course concentrates on specific instances of interaction between film and the other arts such as music, painting, photography, theatre, and video. Fall.</td>
</tr>
<tr>
<td>FIL 3102C</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Writing for Film and TV: PR: Junior standing, ENC 1102, and FIL 1107. Theories and processes of screen writing for motion pictures and television. Students learn how to create stories and scripts for the entertainment marketplace. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 3106C</td>
<td>CAH-FILM</td>
<td>3(2,3)</td>
<td>Introduction to Scriptwriting: PR: Film majors only. Rudiments of scriptwriting, including visual storytelling, story structure, character, dialogue, and introduction to scriptwriting software. Occasional.</td>
</tr>
<tr>
<td>FIL 3115C</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Short Script I: PR: FIL 2107 and Film BFA or Cinema Studies major, or C.I. Rudiments of writing the short script. Analysis of script models and examination of differences between long and short forms. Writing scripts for workshops. Fall, Spring.</td>
</tr>
<tr>
<td>FIL 3132C</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Short Script II: PR: FIL 3115 and Film BFA or World Cinema major, or C.I. Advanced writing of short scripts in preparation for Capstone I and 2 courses. Spring.</td>
</tr>
<tr>
<td>FIL 3304C</td>
<td>CAH-FILM</td>
<td>3(1,3)</td>
<td>Documentary Vision: PR: FIL 3363C. Styles and approaches to documentary filmmaking, with emphasis on making short, personal films. Spring.</td>
</tr>
<tr>
<td>FIL 3307C</td>
<td>CAH-FILM</td>
<td>3(3,0)</td>
<td>Docuscrama: PR: FIL 2107 and Film BFA, World Cinema, or Cinema Studies major, or C.I. Techniques to dramatize real-life events and persons, with emphasis on representation, adaptation and ethics. Occasional.</td>
</tr>
<tr>
<td>FIL 3363C</td>
<td>CAH-FILM</td>
<td>3(3,1)</td>
<td>Film Documentary: PR: FIL 2030 and Film BFA or Cinema Studies major. The uses and analysis of the non-fiction film. Fall, Spring. M&amp;S fee $5.00.</td>
</tr>
</tbody>
</table>
Growth and diversification of American and international mental film including those derived from the work of artists understood.

ways in which narrative structures have been theorized and adaptations.
scripts from other sources. The investigation of the legali-

entertainment organizations, non-profit agencies and NGOs using
documentary motion pictures.

Africana Cinema: PR: FIL 3035C. Aesthetics, theory and
practice of filmmaking in the African Diaspora. Occasional.

Animation Workshop: PR: Animation majors only, FIL 3702C, FIL 3704C, FIL 4735C, and a satisfactory portfolio review or C.I. Production level course in computer animation that emphasizes all phases of the commercial animation system. May be repeated for credit. Fall, Odd Spring. M&S fee $45.00

Motion Picture Genre: PR: FIL 3020. Analysis and evaluation of films, including their major genres, directors, styles, and periods. Occasional. M&S fee $5.00


Montage: PR: FIL 3073C and FIL 3074C. A study of montage primarily but not exclusively in film. Emphasizing the way montage constructs continuities and discontinuities. The course is theoretical with practical exercises. Fall.

Current Problems in Film and Culture: PR: FIL 3035C. Concentration on the most recent work in film studies concerned with film in its relation to cultural issues. Occasional.

One of the major American filmmaker's style, vision and works; how these evolved and their impact on film and the culture. May be repeated for credit. Fall. M&S fee $45.00

The process of adapting

documentary projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Fall.

Film Fiction and the Document: PR: FIL 3035C. Study of relationship between music, natural sounds, dialogue and images of women in film and how these images are shaped and perceived. Spring.

Feature/TV Writing II: PR: FIL 3803C. Advanced aspects of sound mixing and sound editing using advanced protocols and digital format. Occasional.

Feature/TV Writing I: PR: Film BFA, World Cinema, or Cinema Studies minor or C.I. Writing workshop, examination of myopic storytelling, and ethics of scriptwriting. Fall.

Advanced entertaining and development of short interactive narratives as well as examination of non-traditional structures as applied to interactive writing. Occasional.

Genre Writing: PR: Film major, FIL 3803C. Advanced screenwriting practice in selected genres, including comedy, horror, western, crime, etc. Occasional.

Interactive Writing II: PR: Film major and FIL 4113C. Advanced entertaining and development of short interactive narratives as well as examination of non-traditional structures as applied to interactive writing. Occasional.

Interative Writing I: PR: Junior Standing, Film major, FIL 3115 or Digital Media major. Writing workshop for experienced screenwriters, cold readings, preparing calling card script, marketing scripts and funding sources. Occasional.

Adaptation: PR: FIL 2107. The process of adapting scripts from other sources. The investigation of the legalities of adaptation, analysis of existing models, and written adaptation. Occasional.

Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

Feature/Tv Writing: PR: FIL 3162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

Documentary Workshop II: PR: FIL 3451C or C.I. Advanced narrative projects for community groups, heritage organizations, non-profit agencies and NGOs using film, video and digital media. Fall.

Hollywood Cinema: PR: FIL 3035C. This course studies Hollywood cinema historically, culturally, stylistically, and organizationally. Occasional.

Feature/TV Writing: PR: FIL 3162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

Feature/Tv Writing II: PR: FIL 4162C. Advanced writing workshops, principles and methods of adaptation and reader's coverage. Spring.

Feature/Tv Writing I: PR: Film BFA, World Cinema, or Cinema Studies minor or C.I. Writing workshop, examination of myopic storytelling, and ethics of scriptwriting. Fall.
FIL 4939C CAH-FLM 3(3,1) Current Problems in Film History: PR: FIL 3035C. Concentration.-In-depth work in film studies concerned with film history. Occasional.

FIL 5165 CAH-FLM 3(3,0) Visual Storytelling: PR: Admission to Film and Digital Media master's program or C.I. Traditional forms of visual storytelling ranging from storytelling to classic structural paradigms for feature film scripts. Fall.

FIL 5414 CAH-FLM 3(3,0) Film Vision, Scenography & Financing: PR: Acceptance to the MFA Film & Digital Media program. Exploration of the creative and business challenges filmmakers encounter when working on a screenplay, including financing, marketing, and distributing a digital, microbudget motion picture. Spring.

FIL 5419 CAH-FLM 3(3,0) Developing the Film Screenplay: PR: Admission to MFA Film & Digital Media-Entre Digi Cin track, or C.I. Development of an existing, original screenplay to fit the demands, limits, and possibilities of the microbudget, digital film paradigm. Fall.

FIL 5612 CAH-FLM 3(3,0) Film and Internet Business: PR: Graduate status or senior standing or C.I. Survey of the business of financing and distributing films, including various, including motion pictures, short films, television documentaries and the Internet. Fall.

FIL 5800 CAH-FLM 3(3,0) Research Methods in Film and Digital Media: PR: Admission to Film and Digital Media graduate program or C.I. Research methodology for the study of production of film and new media. Spring.

FIL 5853 CAH-FLM 3(3,0) Independent Cinematic Forms: PR: Admission to MFA Film & Digital Media/Entre Digi Cin track, or C.I. Evolution of low budget independent cinematic films through the works of modern and classical filmmakers within and beyond the studio system. Fall.

FIL 5864 CAH-FLM 3(3,0) Ways of Seeing: The Expressive Potential of Film: PR: Admission to MFA Film and Digital Media or C.I. A study of multidisciplinary theories that relate to the practice of filmmaking. Fall.

FIL 5924 CAH-FLM 4(1,0) Graduate Seminar: PR: Admission to MFA Film & Digital Media/Entrepreneurial Digital Cinematic, or C.I. Strategies for a successful graduate experience, and forum for moden, film technique, production and distribution issues, and thesis defense preparation. Graded S/U. May be used in the degree program a maximum of 6 times. Fall.

FIN 2100 BA-FIN 3(3,0) Personal Finance and Investments: PR: Open to all students (majors, minors, and non-majors). An overview of personal and family financial planning. Topics include housing, investments, insurance, retirement planning, estate planning, financial services, consumer credit, and tax planning. Fall, Spring.

FIN 3303 BA-FIN 3(3,0) Financial Markets: PR: FIN 3403C; open to majors or minors which require this course. The role of short and long-term financial markets and financial institutions in capital formation and allocation. Theories and mathematics of interest rates. Fall, Spring.

FIN 3403C BA-FIN 4(3,1) Business Finance: PR: Junior standing. ACG 2021 and ECO 2023. With the balance sheet as a reference point, this course provides an introduction and overview of the allocation, financing, and management of business assets. Fall, Spring.

FIN 403H BA-FIN 4(4,0) Business Finance - Honors: PR: Junior standing. ACG 2021 and ECO 2023. Open to University honors students and other students participating in the honors program. Same as FIN 403C with honors level content. Occasional.

FIN 4144 BA-FIN 3(3,0) Intermediate Corporate Finance: PR: FIN 3403C; open to majors or minors which require this course. An in-depth study of the principles of corporate finance. Investment, financing, and capital decisions are examined. Fall, Spring.


FIN 4304 BA-FIN 3(3,0) Investment Analysis: PR: FIN 3403C; open to majors or minors which require this course. A survey of investments, including security markets, investment vehicles, and environment. Principles of asset valuation in efficient markets. Fall, Spring.

FIN 4313 BA-FIN 3(3,0) Management of Financial Institutions: PR: FIN 3303, 3403; open to majors or minors which require this course. Analysis of management policies of financial institutions, in terms of stability, and capacity. The economics and regulatory influence on competition is considered. Occasional.

FIN 4324 BA-FIN 3(3,0) Commercial Bank Management: PR: FIN 3303; open to majors or minors which require this course. Analysis of the operations of commercial banking policies and an analysis of current approaches to managing specific bank products. Fall.

FIN 4424 BA-FIN 3(3,0) Advanced Topics in Financial Management: PR: FIN 3414; open to majors or minors which require this course. Advanced study in financial management. Topics include capital budgeting, financial structure, and capital decisions. Case studies used extensively. Occasional.

FIN 4453 BA-FIN 3(3,0) Financial Models: PR: FIN 3403C, FIN 3414, and FIN 3504; open to majors or minors which require this course. Mathematical models applied specifically to financial problems, including those models suitable for representation and solutions on computers. Fall, Spring.

FIN 4514 BA-FIN 3(3,0) Portfolio Analysis and Management: PR: FIN 3403C, FIN 3503, and FIN 3504; open to majors or minors which require this course. Portfolio and capital market theory in the determination of rational investment policies. Risk analysis, portfolio analysis, and evaluation techniques. Fall, Spring.

FIN 4533 BA-FIN 3(3,0) Financial Derivatives: PR: FIN 3403C, FIN 3503 and FIN 3504; open to majors or minors which require this course. Options, futures, forwards, and other derivative contracts. Investments in these markets are examined. Pricing and hedging are considered. Fall, Spring.

FIN 4560C BA-FIN 4(3,1) Applied Portfolio Management 1: PR: Finance major, FIN 3403C, FIN 3504, and C.I. For UCF Student Managed Portfolio program participants. Provides detailed, rigorous analyses of Equity portfolio management topics, including risk/return, valuation, forecasting, portfolio construction, and performance appraisal. Occasional.

FIN 4561C BA-FIN 4(3,1) Applied Portfolio Management 2: PR: Finance major, FIN 4560C, and C.I. For UCF Student Managed Portfolio program participants. Rigorous coverage of advanced portfolio management topics, including uses of derivatives, tax issues, and style investing. Occasional.

FIN 4604 BA-FIN 3(3,0) International Financial Management: PR: FIN 3403C; open to majors or minors which require this course. Analysis of the foreign financial markets and investment, currency futures market, capital budgeting, cash management, examination of Eurocurrency market and international bond markets. Fall, Spring.

FIN 4730 BA-FIN 3(3,0) Senior Financial Consulting I: PR: Finance major; FIN 3403C, FIN 3504, FIN 4453. Applied management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 1 of a two course sequence. Students must register for both semesters. Occasional.

FIN 4731 BA-FIN 3(3,0) Senior Financial Consulting II: PR: Finance major; FIN 4730, FIN 4453. Project management in a collaborative, interdisciplinary team environment. Incorporates financial problem solving, design and consulting in projects for major corporations. Part 2 of a two semester course sequence. Students must register for both semesters. Occasional.

FIN 4941 BA-FIN 3(3,0) Finance Internship: PR: Finance major with at least 6 hours of completed coursework in finance, minimum overall GPA of 2.75 and consent of department chair. Supervised finance work experience in a pre-approved sponsoring organization. See department for information and application. Graded S/U. Fall, Spring.

FLE 3160 ED-TL&L 3(3,0) Education and Culture/Language Diversity: PR: Admission to major, overall 2.5 GPA, 3.0 GPA in major, and C.I. A cross-cultural field experience which includes cultural and language immersion. Theoretical and applied knowledge of culture and language diversity. Occasional.

FLE 4290 ED-TL&L 2(2,0) Technology in the Foreign Language classroom: PR: EME 2040, EDG 4323. Applications of technology in the foreign language classroom including uses of the Web, e-mail, chat, electronic portfolios, electronic curriculum planning tools, and software. May be repeated for credit. Occasional.

FLE 4314 ED-TL&L 3(3,0) Foreign Language Teaching in Elementary Schools: Methods of planning and teaching foreign language in the elementary school. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. Occasional.

FLE 4333 ED-TL&L 3(3,0) Foreign Language Teaching in the Secondary School: PR: EDG 4323, 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-TL&L 3(3,0) Foreign Language Methods at the Secondary Level: PR: C.I., EDG 4323, or EDG 6226, or classroom teaching experience, and fluency in the target language and English. Methods of planning and teaching foreign language at the secondary level. The emphasis is on teaching communicatively and on integrating culture in the 6-12 classroom. May be used in the degree program a maximum of 2 times. Occasional.

FLE 5335 ED-TL&L 3(3,0) Foreign Language Methods at the Elementary Level: PR: C.I. or FLE 4333 or FLE 5870, EDG 4323 or EDG 6226, and fluency in target language and English. Methods of planning and teaching foreign language at the elementary level. The emphasis is on teaching communicatively and on integrating culture in the K-6 classroom. May be repeated for credit. Occasional.

FLE 5870 CAH-LANG 3(3,0) Methods of Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. Occasional.

FLE 5875 CAH-LANG 3(3,0) Computer Application in Teaching Foreign Languages: PR: Graduate status or senior standing or C.I. Survey, analysis, and evaluation of computer software and Internet materials for teaching foreign languages. Occasional.
<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>FRE 4422</td>
<td>CAH-LANG Advanced French Composition</td>
<td>3(3.0)</td>
<td>Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.</td>
</tr>
<tr>
<td>FRE 4471</td>
<td>CAH-LANG Advanced French Cultural Studies Abroad</td>
<td>6(6.0)</td>
<td>A survey analyzing development of key elements of French life, its historical, artistic, intellectual, scientific, and spiritual contributions to the world through readings, lectures, films, and other media. Conducted in French. Occasional.</td>
</tr>
<tr>
<td>FRE 4500</td>
<td>CAH-LANG French Civilization and Culture</td>
<td>3(3.0)</td>
<td>French and Francophone Literary Masterworks in Translation: PR: FRE 2200. May include survey covering texts from the Middle Ages to the present or may focus on a particular period, genre, or topic. Occasional.</td>
</tr>
<tr>
<td>FRE 4421</td>
<td>CAH-LANG French Medieval Literature and Culture</td>
<td>3(3.0)</td>
<td>Readings and written imitations of modern literary styles in the form of themes, sketches, poems, and original stories. Spring.</td>
</tr>
<tr>
<td>FRE 3760</td>
<td>CAH-LANG Short Stories of 18th, 19th and 20th Centuries: PR: FRE 2201 or equivalent. A survey of the history of France from the time of the French Revolution to the present, with particular emphasis on the novel and short story. Occasional.</td>
<td></td>
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<tr>
<td>FRE 3770</td>
<td>CAH-LANG Francophone Literature</td>
<td>3(3.0)</td>
<td>A survey analyzing development of key elements of French life, its historical, artistic, intellectual, scientific, and spiritual contributions to the world through readings, lectures, films, and other media. Conducted in French. Occasional.</td>
</tr>
</tbody>
</table>
GEW 3100 CAH-LANG 3(3,0)
Survey of German Literature I: PR: GER 2201 or equivalent. Main literary currents and works from the Middle Ages through 19th Century Romanticism. Occasional.

GEW 3101 CAH-LANG 3(3,0)
Survey of German Literature II: PR: GER 2201 or equivalent. Main literary currents and works from 19th Century Realism to the present. Occasional.

GEW 3370 CAH-LANG 3(3,0)
Short Study: PR: GER 2201 or equivalent. German short prose works of the 19th and 20th centuries. Occasional.

GEW 3480 CAH-LANG 3(3,0)
German Post-War Literature: PR: GER 2201. This course examines the works of German, Austrian and Swiss writers after World War II. Occasional.

GEW 4482 CAH-LANG 3(3,0)
German Children’s Literature: PR: GER 2200. A look into the history of German children’s literature with a concentration on works after World War II. Occasional.

GEW 4531 CAH-LANG 3(3,0)
The Age of Goethe and Schiller: PR: GER 2201. Selected texts of Goethe and Schiller are examined, with particular attention to their relationship to both German classicism and German romanticism. Occasional.

GEY 3001 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Overview: PR: Junior standing or C.I. Study of aging from an interdisciplinary perspective that bridges social and behavioral sciences, nursing, social work, allied health, and natural sciences. May be repeated for credit. Fall.

GEY 3326H COS-PSYCH 3(3,0)
Honors Images of Aging: PR: Advanced standing in the Honors College and consent of Honors. Interdisciplinary examination of images in aging exploring how the various images of aging are reflected across the natural sciences, social sciences and humanities. With Honors content. Occasionally.

GEY 5007 CON-NURS 3(3,0)
Women and Healthy Aging: PR: Graduate standing or senior undergraduate. The examination of the health promotion opportunities and bio-psycho-social challenges of women as they age. Spring.

GEY 5600 ED-CFC5 3(3,0)
Physiology of Aging: PR: BSC 2010C or PCB 3700C or PET 3512C or equivalent. The purpose of this course is to develop the student’s understanding of the effects of human aging on various body systems. Occasional.

GEY 5649 HPA-SOWK 3(3,0)
Gerontology: An Interdisciplinary Approach: PR: Graduate standing or C.I. Study of aging from an interdisciplinary and multidisciplinary approach spanning the social sciences and health. Occasionally.

GIS 3043C UGST-INTERDISC 3(2,2)
GIS for Environmental Studies: PR: CGS 1060C and BSC 2010C, or C.I. Geographic Information Systems (GIS) technology for environmental analysis. GIS theory with training using ArcGIS, including environmental analysis and facility siting studies. Odd Fall.

GIS 4035C ECS-CECE 3(2,2)
Remote Sensing of the Environment: PR: GEO 1200 or C.I. Interpretation and application of remote sensor imagery to physical, economic, and urban analysis. Occasional.

GIS 4301C UGST-INTERDISC 4(2,2)
Advanced GIS Applications in Environmental Studies: PR: GIS 3043C. GIS analysis techniques used in environmental science, including raster overlay site suitability modeling, least-cost optimum paths, 3D digital elevation models, network routing and geostatistical analysis. Occasional.

GLY 1030 COS-CHEM 3(3,0)
Geology and its Applications: Geologic principles, applications, and hazards including: gemstones, rock cycle, moving continents, mountain building, metal ores, fossil fuels, groundwater, sinks holes, beach erosion, landslides, earthquakes, tidal waves, volcanism. Fall, Spring.
Multi Media Applications in Exhibitions: Technology is used in the event industry to increase effectiveness of events. HFT 1000, HFT 2750, and HFT 3670, or C.I.

Hospitality and Tourism Industry: An orientation to the hotel, restaurant, and travel industry, and its history, structure, and operating procedures. Fall, Spring.

Hospitality and Tourism Marketing: Application of strategic principles of human resources to the hospitality tourism setting. Fall, Spring.

Lodging Operations: PR: HFT 1000. Basic principles of operating a lodging facility including accounting, housekeeping, engineering, front desk, and guest services. Fall, Spring.


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.

Restaurant Management: PR: HFT 1000, FSS 2221C, and junior standing or C.I. Discussion of the topics integral to the successful management of restaurant and food service organizations. Fall, Spring.

Principles of Resort Timesharing: PR: HFT 1000 and junior standing or C.I. Principles of resort timeshare operations and ownership. Fall, Spring.


Hospitality Physical Plant Management: PR: Junior standing. Analysis of operational problems related to the physical plant and structure of enterprises in the hospitality industry. Spring.

Golf Planning & Operations I: Customer relations concepts, an effective golf instruction program, and characteristics of effective merchandising & inventory procedures. Occasional.

Agronomy for Golf Course Management: PR: HFT 3354. Primary roles and responsibilities of the golf course superintendent. Occasional.


Event Design, Production & Technology: PR: HFT 1000, HFT 2750, and HFT 3670, or C.I. Aspects of event production, including art, design and staging. How technology is used in the event industry to increase effectiveness and productivity. Fall, Spring.

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.
UCF Courses and Descriptions

HFT 4253 RCHM-HOS 3(3,0) Hotel Operations: PR: HFT 2401, HFT 2500, HFT 3444, HFT 3603 and Senior Standing. Provides the advanced student with first-hand knowledge of the day-to-day operations of a hotel property. Reconciles conflicts between theory and practice in a real life hotel. Occasional.

HFT 4255 RCHM-HOS 3(3,0) Advanced Hotel Development: PR: HFT 4464, HFT 3431 and C.I. Hotel investment practices, risk management and other investment decision factors. Occasional.

HFT 4266 RCHM-HOS 3(3,0) Restaurant Brand Management: PR: HFT 3263 and junior standing or C.I. Exploration of the principles of brand management for the corporate restaurant industry. Occasional.

HFT 4268 RCHM-HOS 3(3,0) Case Studies in Restaurant Management: PR: HFT 3263 and junior standing or C.I. Application of case study methodology to advanced topics in restaurant and food service management. Fall, Spring.

HFT 4269 RCHM-HOS 3(3,0) Case Studies in Multi-Unit Restaurant Management: PR: HFT 3263. Application of case study methodology to advanced topics in chain or multi-unit restaurant and foodservice operations. Occasional.

HFT 4274 RCHM-HOS 3(3,0) Resort Management: PR: HFT 1000, HFT 2254, or C.I. Comprehensive analysis of applied theories, principles, and techniques in the management of resorts. Occasional.

HFT 4275 RCHM-HOS 3(3,0) Development of Vacation Ownership Resorts: PR: HFT 3273 and HFT 4473 or C.I. Comprehensive analysis of applied theories, principles, and techniques used in the planning and development of vacation resorts. Occasional.

HFT 4277 RCHM-TEA 3(3,0) Yacht, Country, and City Club Management: PR: HFT 1000 and junior standing or C.I. A study of the history, development, operation and management of Yacht, Country and City Clubs. Emphasis will be placed on operational aspects. Fall.

HFT 4281 RCHM-HOS 3(3,0) Restaurant Leadership Strategies and Tactics: PR: Hospitality Management Core and Restaurant Management Core or C.I. An analysis of the leadership styles of restaurant industry founders and executives. Fall, Spring.

HFT 4284 RCHM-HOS 3(3,0) Training and Employee Performance in the Foodservice Industry: PR: HFT 2220; HFT 3540; HFT 3546; HFT 4343; FSS 3124; FSS 4155. Teaching and training methodologies relative to the service positions in a restaurant. Encompasses training techniques, guest interaction, and assessment of service performance. Occasional.

HFT 4286 RCHM-HSP SERV 3(3,0) Hospitality Communications: PR: HFT 1000; HFT 2220; FSS 221C; HFT 2254; HFT 2309; HFT 3603; HFT 2750; HFT 2401; HFT 3444; HFT 3540. Communication exchanges in the hospitality industry for effective presentations, conflict resolution, and report writing. Emphasis on interpersonal communication, and managing in hospitality enterprises in the areas of reading, writing, speaking, and listening. Fall, Spring.

HFT 4288 RCHM-HRS SERV 3(3,0) Leadership and Strategic Management in Hospitality Industry: PR: Completion of Hospitality Management Core program. Principles of strategic decision making in various hospitality and tourism organizations; lectures, class discussions, and group case analysis presentations. Fall, Spring.

HFT 4298 RCHM-HSP SERV 3(3,0) Hospitality Business Consulting: PR: HFT 1000 and junior standing or C.I. A systematic approach to Hospitality Management. Students apply their cumulative knowledge in an active learning environment in a small hospitality operation. Occasional.

HFT 4343 RCHM-HSP SERV 3(3,0) Hospitality Facilities Planning and Design: PR: HFT 3485 and junior standing or C.I. Principles of facility planning, layout and design for dining, kitchen, guest room, lobby, and service areas. Odd Fall.


HFT 4375 RCHM-TEA 3(3,0) Advanced Traditions Management: PR: HFT 4754 or C.I. Trade show installation, floor management and dismantling/shipping. Pre-event logistics and on-site management of critical success factors. Occasional.

HFT 4413 RCHM-HSP SERV 3(3,0) Technology Applications for Hospitality Management: PR: HFT 3444 Hospitality Information Systems. Provides students with fundamental information system concepts and techniques for effective applications to strategic thinking in hospitality organizations. Odd Spring.

HFT 4425 RCHM-HSP SERV 3(3,0) Financial Analysis for Restaurant Managers: PR: HFT 2401, HFT 3431, and HFT 3263. Topics of unit level economics, budgeting, valuation of restaurant enterprises, ownership models, franchising finance, and securing access to capital through debt and equity markets. Occasional.

HFT 4432 RCHM-HSP SERV 3(3,0) Hospitality Industry Auditing: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides basic fundamentals of eliminating fraud and saving money through proper internal controls in the hospitality industry. Occasional.

HFT 4442 RCHM-HOS 3(3,0) Vacation Ownership Reservations and Database Systems: PR: HFT 1000, HFT 3273, HFT 4522. HFT 4277. Tactics and strategies necessary for owner exchange, information transmittal, and financial reporting. Occasional.

HFT 4457 RCHM-HSP SERV 3(3,0) Food, Beverage, and Labor Cost Controls: PR: HFT 3431 Hospitality Industry Managerial Accounting. Provides students with basic fundamentals of food, beverage, and labor cost control systems in the hospitality industry. Fall, Even Spring.

HFT 4464 RCHM-HSP SERV 3(3,0) Hospitality Industry Finance: PR: HFT 3431 and junior standing or C.I. Working knowledge of finance concepts and theories applicable to the Hospitality Industry including evaluating management contracts, franchising, and leasing. Odd Fall, Odd Spring.

HFT 4468 RCHM-HSP SERV 3(3,0) Hospitality Industry Revenue Management: PR: HFT 2254 and HFT 3431. Revenue management practices in hospitality organizations which include capacity management, revenue forecasting, discounting, overbooking and rate management. Fall, Spring.

HFT 4473 RCHM-HSP SERV 3(3,0) Hotel Development Analysis: PR: HFT 3431 and junior standing or C.I. Review of methodological operation, financial, and marketing aspects of analyses for hotel development projects. Occasional.

HFT 4522 RCHM-HOS 3(3,0) Resort Sales Tactics and Strategies: PR: HFT 1000, HFT 2254, or C.I. Sales tactics and corporate strategies employed in the sales and marketing of resorts. Occasional.

HFT 4523 RCHM-TEA 3(3,0) Managing the Employee Experience in the Theme Park and Attraction Industry: PR: HFT 4755 and junior standing or C.I. Managing staffing needs, supervision, communication, legal compliance, and retention in the theme parks and attraction industry. Fall.


HFT 4614 RCHM-TEA 3(3,0) Risk Management in Theme Parks and Attractions: PR: HFT 4755 and HFT 3603 or C.I. Examines principles and issues related to the nature and mitigation of risks at theme parks and attractions. Covers all theme park operating departments. Occasional.

HFT 4645 RCHM-HOS 3(3,0) Restaurant Real Estate, Site Selection, and Modelling: PR: Hospitality and Restaurant Management Core or C.I. Explains the management systems for finding, evaluating, securing, and developing dynamic restaurant real estate locations. Occasional.

HFT 4722 RCHM-TEA 3(3,0) Travel Agency Management: PR: Junior Standing. The trends operation management procedures and practices of travel agents. Emphasis on tools utilized in agency operations. Occasional.

HFT 4732 RCHM-TEA 3(3,0) Tourism Impact Analysis: PR: HFT 3700. Quantitative impact analysis of tourism as an industry in the regional/national economy along the tourism satellite accounts concept. Fall, Spring.

HFT 4735 RCHM-TEA 3(3,0) Tourism Geography: PR: HFT 3700 and junior standing or C.I. A seminar discussing the main geographical tourism destinations in U.S. and the World. Fall, Spring.

HFT 4736 RCHM-TEA 3(3,0) Destination Management: PR: HFT 3700. Principles and issues related to destination management; strategies and processes involving design, operations, distribution, networking and impact of tourism at the destination. Occasional.

HFT 4753 RCHM-TEA 3(3,0) Convention and Conference Services: PR: HFT 3517 and junior standing or C.I. Provides an in-depth understanding of the acquisition and management of services (food and beverage, audio visual, transportation, etc.) integral to effective convention and conference operations. Spring.

HFT 4754 RCHM-TEA 3(3,0) Exhibit and Trade Show Operations: PR: HFT 2750 and junior standing or C.I. Provides an in-depth study of exhibit and trade show operations. Focuses on both supply and demand pertaining to exhibits and trade shows. Fall, Spring.

HFT 4755 RCHM-TEA 3(3,0) Theme Park and Attraction Management: PR: HFT 1000 and junior standing or C.I. An in-depth study of the theme park and attraction industry, focusing on resources, ride operations, merchandising, food services, and architectural design. Fall, Spring.

HFT 4757 RCHM-TEA 3(3,0) Event Management: PR: HFT 3670, HFT 3512, HFT 3373 HFT 3520, HFT 3518, or C.I. Event planning, including how organizations use events to achieve strategic objectives. Students plan and execute events that meet and/or exceed industry standards. Fall, Spring. MB&I fee $65.00

HFT 4759 RCHM-TEA 3(3,0) Product Development in Theme Parks and Attractions: PR: HFT 4277 and junior standing or C.I. The strategic management process associated with product development in the theme parks and attraction industry. Occasional.

Managing the Guest Experience in the Theme Park and Attraction Industry: PR: HFT 4755. The management of guest needs and expectations in theme parks and attractions. Fall.

Operational Issues in the Theme Park and Attraction Industry: PR: HFT 4755. Organizational structure and operational culture of theme parks and attractions. Fall.

Event Management II: PR: HFT 3670, HFT 3512, HFT 3443, HFT 3792, FSS 2221C, HFT 3802, and HFT 3797. Capstone course in event management. Students produce an event that has been planned in HFT 3797. Occasional. M&S fee $65.00

Entertainment Arts and Events: PR: HFT 2750 and HFT 4755 or C.I. A historical perspective of theme park, event, and entertainment attraction. Covers show development, event production, creative processes, casting, costume, styling, and evaluation. Fall, Spring.

International Events: PR: HFT 1000 and HFT 2750; or C.I. Considerations when planning events that are held outside the United States or that affect a large number of participants from outside the United States. Occasional.

Catering Management: PR: HFT 3443, HFT 3870, HFT 3792, HFT 3512, FSS 2221C. Catering sales and operations. Emphasis on logistics, market segments, and service. Fall, Spring. M&S fee $45.00

Sanitation in the Food Service Industry: PR: HFT 1000 and junior standing or C.I. Causes and prevention of food spoilage and food borne illnesses. Includes National Restaurant Association (NRA) certification. Occasional.

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


Advanced Wine Management: PR: HFT 4882C or C.I. Advanced study of viticulture, enology and wine regions of the world. Occasional. M&S fee $45.00

Exploring Wines of the World: PR: HFT 1000; HFT 3200; and Age of 21; or C.I. Using senses to evaluate wines, growing, processing, and production of grape varieties used in making wine. Odd Fall, Even Spring. M&S fee $70.00

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.

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.

Foundations of Health Information Management (HIM): PR: ENC 1102. Foundation of profession; release of information; record analysis; numbering and filing systems; standards for long-term care; ambulatory care; and mental health records. Fall, Spring.

Health Record Organization and Management: PR: HIM 3116C or C.I. Nomenclature/classification systems; health and vital statistics; data analysis and presentation; indexing; computer abstracting; crediting and approving agencies; medical staff organization. Spring.

Professional Practice Experience I: PR: Admission to HIM program. CR: HIM 3006, HIM 3537 and HIM 3116C. Virtual hospital tour; master patient index; numbering; and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for inpatient health information retrieval; ICD-9-CM, DRGs; encoders. Fall, Spring.

International Gastronomy: PR: Admission to HIM program. CR: HIM 3006, HIM 3537 and HIM 3116C. Virtual hospital tour; master patient index; numbering; and filing systems; assembly and analysis; incomplete record control; record storage; retention and retrieval; and release of information. Fall, Spring.

Coding Procedures I: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval; CPT/HCPCS, APCs; encoders. Fall.

Quality Management: PR: HSC 3537 or C.I. Principles and mechanics of coding systems for outpatient health information retrieval. Fall, Spring.

Health Information Management Department Management: PR: HIM 3006. Visualization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. Fall, Spring.

Professional Development and Issues in Health Information Management: PR: HIM 4344C. Analysis of health care setting, the HIM professional as an educator, problem-solving techniques; professional ethics; alternative careers. Spring.

Health Information Management Department: PR: or CR: HIM 3006. Visualization of computerized information systems, management and patient care in the health care industry, systems analysis, system design and project management concepts. Fall, Spring.

Professional Practice Experience II: PR: HIM 4481C or CR: HIM 4676 and HIM 4508C. Transcription; coding; quality improvement; utilization review; management information for secondary students and college age peers. Fall, Spring.


Internship in Public History: PR: C.I. The Public History Internship is a co-curricular course in which undergraduate history majors explore and gain experience in public history professions. Fall, Spring.

Senior Thesis: Original research paper available to advanced history majors, topics to be selected in consultation with a directing professor. Occasional.

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.

Introduction to Public History: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

Classic and Contemporary Historical Thought: PR: Graduate status or senior standing or C.I. Examine and discuss the practice of history in museums, archives, documentary editing, historical publication, media, historical societies, and government agencies. Occasional.

Introduction to Medical Ethics: PR: EDF 2005; CR: ARE 4313, MUE 3210, RED 4519, MAE 4326, and EDE 3942. Organization, practice, and conduct of health (including drug abuse) and physical education programs in the elementary school. Fall, Spring.


U.S. Health Care Systems: PR: Major or minor in College of Health or C.I. Permission of Honors. A survey of the economics, social, and political aspects of the health care system in the United States. Fall, Spring.


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<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credit Hours</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA 4150H</td>
<td>Principles of Managed Care</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
</tr>
<tr>
<td>HSA 4180H</td>
<td>Organization &amp; Management for Health Agencies I</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4184H</td>
<td>Health Care Administration</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4191H</td>
<td>Health Care Automation</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4220H</td>
<td>Long Term Patient Management</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4502H</td>
<td>Risk Management Systems</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4701H</td>
<td>Introduction to Health Care Administration</td>
<td>2(2,2)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4702H</td>
<td>Health Care Administration Internship</td>
<td>2.5 UCF GPA, 90 overall credit hours, 24 HSA credit hours, approval of the Internship Director. Administrative experience in an approved health care organization.</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4850H</td>
<td>Health Services Administration</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4939H</td>
<td>Health Services Administration</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 4958H</td>
<td>Health Care Decision Sciences and Knowledge Management</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 5177H</td>
<td>Foundations of Health Care Finance</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 5257H</td>
<td>Coding for Health Services Administrators</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 5258H</td>
<td>CPT Coding for Health Service Administrators</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSA 5200H</td>
<td>Introduction to the Allied Health Professions</td>
<td>2(2,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSC 2100H</td>
<td>US Healthcare: Introduction and Challenges</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSC 4500H</td>
<td>Epidemiology</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSC 4501H</td>
<td>Epidemiology of Chronic Diseases</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
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<tr>
<td>HSC 4555H</td>
<td>Pathophysiology I</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
</tr>
<tr>
<td>HSC 4558H</td>
<td>Pathophysiology II</td>
<td>3(3,0)</td>
<td>C.I. Historical, sociocultural and economic factors affecting one's health, along with education and training, ethics, and relationships with other health professionals.</td>
</tr>
</tbody>
</table>
HSC 4564 HPA-HP  3(3,0)
Health Care Needs of the Elderly: PR: HSA 3111 or C.I. An overview of the physical and emotional needs of the elderly, including the institutional health care available. Fall, Spring.

HSC 4572 HPA-HP  3(3,0)

HSC 4652 HPA-HP  3(3,0)
Health Law and Ethics: PR: ENC 1102 and Junior Standing, or C.I. Overview of the legal and ethical issues faced by health care consumers, practitioners, administrators and health care facilities. Fall, Spring.

HSC 4730 HPA-HP  3(3,0)
Applied Health Behavior and Methodology (STA 2023 or STA 2014C) and HSA 4702 and Senior Standing. Clinical research issues including: clinical research questions, protocol, patient safety, IRB, ethics and patient rights. Fall, Spring.

HSC 5317 ED-CFCS  3(3,0)
Health Methods: Teaching Strategies and Interventions: PR: Admission to Graduate Certificate in Health and Wellness or C.I. Application of the knowledge of teaching strategies, motivational theory, and curriculum to develop a comprehensive school health program. Occasional.

HSC 5695 HPA-HP  3(3,0)

HUM 2120 CAH-PHIL  3(3,0)
Humanistic Tradition I: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2210H CAH-PHIL  3(3,0)
Honors Humanistic Tradition I: PR: Permission of Honors. An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on ancient civilizations and the cultural heritage stemming from them. Primary sources (in translation) are emphasized. Honors content. Fall.

HUM 2230 CAH-PHIL  3(3,0)
Humanistic Tradition II: An interdisciplinary, multicultural study of the arts and sciences contributed by diverse human traditions to world civilization. Focus is on modern civilizations and their contributions to the Global Village. Primary sources (in translation) are emphasized. Fall, Spring.

HUM 2352 CAH-PHIL  3(3,0)
Contemporary Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the 20th century. Occasional.

HUM 2355 CAH-PHIL  3(3,0)
Modern Humanities: PR: ENC 1102 or C.I. Multicultural study of Philosophy and the arts of the modern period. Occasional.

HUM 3320 CAH-PHIL  3(3,0)
Contemporary Multicultural Studies: PR: HUM 2230, Junior standing, or C.I. Studies the diversity of diverse cultures making up North America in the Information Age, focusing on complete primary sources in philosophy, literature, visual arts and music. Even Fall.

HUM 3394 CAH-PHIL  3(3,0)
Representations of Place and Space: PR: HUM 2230 or C.I. Phenomenological, symbolic, constructivist, and determinist approaches to personal and social place and space. Occasional.

HUM 3401 CAH-PHIL  3(3,0)
Asian Humanities: PR: HUM 2230, Asian Studies minor, or C.I. An interdisciplinary survey of the cultures of India, China, and Japan, concentrating on their traditional art, literature, religion, philosophy, and music. Occasional.

HUM 3417 CAH-PHIL  3(3,0)
Hindu Thought and Culture: PR: HUM 2230, REL 2300, or C.I. A survey of the development of Hindu thought and culture from vedic times to the modern age, with emphasis on religion, literature, philosophy, art, and music. Occasional.

HUM 3419 CAH-PHIL  3(3,0)
Islamic Thought and Culture: PR: HUM 2230, or REL 2300, or C.I. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. Occasional.

HUM 3419H CAH-PHIL  3(3,0)
Honors Islamic Thought and Culture: PR: HUM 2230, or REL 2300, and Consent of Honors. The development of Islamic thought and culture, concentrating on religion, jurisprudence, philosophy, science and art with special focus on perception of Islam in Western literature and scholarship. With Honors content. Occasional.

HUM 3423 CAH-PHIL  3(3,0)

HUM 3431 CAH-PHIL  3(3,0)
Ancient Humanities: PR: HUM 2230 or C.I. Development of Ancient Greek thought and culture with emphasis on philosophy, religion, literature and art. Occasional.

HUM 3435 CAH-PHIL  3(3,0)
Medieval Humanities: PR: ENC 1102 or C.I. Development of Medieval thought and culture with emphasis on Philosophy, Religion, Literature and Art. Occasional.

HUM 3460 CAH-PHIL  3(3,0)
Latin American Humanities: PR: HUM 2210 or HUM 2220. Ideas in cultures of Latin America and Caribbean basin as expressed in arts, architecture, music, philosophy, religion, literature and film. Occasional.

HUM 3552 CAH-PHIL  3(3,0)
Christian Thought: PR: ENC 1102. Christian thought from 4th century to present, concentrating on human nature, social justice, the state, war, and attitudes toward women. Occasional.

HUM 3553 CAH-PHIL  3(3,0)
Moses, Jesus and Muhammad: PR: HUM 2230, REL 2300, or C.I. Deals with the main themes of Judaism, Christianity, and Islam as found in the teachings of Moses, Jesus, and Muhammad. Occasional.

HUM 3800 CAH-PHIL  3(3,0)
Research Methods in Humanities: PR: Junior standing, and Humanities or Philosophy major or C.I. Research skills for the humanities, including methodologies, writing techniques, essay structuring, formatting, and methods for citing references and constructing bibliographies. Occasional.

HUM 4301 CAH-PHIL  3(3,0)
The Classical Ideal: PR: HUM 2210 or C.I. The search for order and form in the arts of various times and cultures. Concerns reason, structure, objectivity, harmony. Open to all Juniors and Seniors. Spring.

HUM 4303 CAH-PHIL  3(3,0)
The Spiritual Ideal: PR: HUM 2210 and HUM 2230 or C.I. The development of philosophical and religious perspectives concerning secular forms of spirituality from ancient to contemporary periods; critical interrogation of the relationship between religion and spirituality. Occasional.

HUM 4330 CAH-PHIL  3(3,0)
Performance Theory: PR: Junior standing and HUM 2220 or either PHI 2010, PHI 2011, PHI 2108, or C.I. Traditional and contemporary theories of performance with a focus on linguistic performative, bodily and virtual performances, self-identity, and the politics of performance. Occasional.

HUM 4393 CAH-PHIL  1(1,0)
Portfolio: PR: Last semester as Humanities major. Presentation of a representative sampling of student’s best undergraduate work, with appropriate revisions, including a cover narrative documenting development of humanistic knowledge and skills. Graded S/U. Fall, Spring.

HUM 4554 CAH-PHIL  3(3,0)
Religious Quest and Human Dilemma: PR ENC 1102 or C.I. Critical examination of quests for meaning and value as articulated by religious philosophers dealing with existential questions; emphasizes problems of truth, knowledge, faith and belief. Occasional.

HUM 4556 CAH-PHIL  3(3,0)
Religion and the Arts: PR: One of: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance and ritual practices in religious traditions, with emphasis on the contemporary. Occasional.

HUM 4823 CAH-PHIL  3(3,0)

HUM 4933 CAH-PHIL  3(3,0)
Senior Research Seminar: PR: Senior standing and Humanities major. Capstone course on research, developing effective oral and written communication skills. Occasional.

HUM 5802 CAH-PHIL  3(3,0)
Applied Contemporary Humanities: PR: HUM 5803, graduate status or senior standing, or C.I. Development of an application research project relevant to contemporary cultural issues, using Humanities theories and methods. Occasional.

HUM 5803 CAH-PHIL  3(3,0)
Theories and Methods of the Humanities: PR: Senior undergraduate standing and at least one of the following: HUM 3252, HUM 3320, or PHI 4808 or graduate standing. Approaches, concepts, methods, and theoretical issues in the Humanities with an emphasis on critical analysis of diverse disciplinary and interdisciplinary theories and methods. Fall.

HUM 2002 HPA-HP  3(3,0)
Modern Concepts in Nutrition: An examination of the eating patterns of today’s American people. Topics include: nutrients in our diet, consumer demand in the food industry; fast food outlets, food trends and hunger. Fall, Spring.

HUM 3011 CON-NURS  3(3,0)
Human Nutrition: PR: or CR: ZOO 3733C and CHM 1032 or C.I. Essentials of nutrition related to the life cycle, including the physiological, psychological, and cultural aspects of nutrition and the inter-relationship with disease are emphasized. Fall, Spring.

HUM 3013 RCHM-HOS  3(3,0)

HUM 5247 HPA-HP  3(3,0)
Principles of Human Nutrition: PR: Admission to Health Sciences MS Clinical and Lifestyle Sciences track or C.I. Course promotes in-depth understanding of the role of macronutrients in human nutrition and health enabling graduates to integrate knowledge into other aspects of their work. Occasional.
UCF Courses and Descriptions

IT 3760 CAH-LANG 3(3,0)
Advanced Italian Oral Communication: PR: ITA 2201. Vocabulary building with systematic training in diction and location. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall.

IT 4280 CAH-LANG 3(3,0)

IT 3443 CAH-LANG 3(3,0)

IT 3480 CAH-LANG 3(3,0)
Study Abroad: Italian Literature in Translation: PR: C.I. Main literary tendencies and authors of Italian literature, taught in the native environment. Occasional.

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 4957H CAH-LANG 3(3,0)
Honors Italian Literature in Translation: PR: ENC 1102 and consent of Honors. Main literary tendencies and authors of Italian literature, with honors content. Occasional.

ITW 3100 CAH-LANG 3(3,0)
Survey of Italian Literature I: PR: ITA 2201. Main currents and writers in Italian literature from the 12th through the 15th centuries. Occasional.

ITW 3101 CAH-LANG 3(3,0)
Survey of Italian Literature II: PR: ITA 2201. Main currents and writers in Italian literature from the 15th century to the present. Occasional.

JOU 2100C COS-COMM 3(3,1)
News Reporting: PR: Com pending, or Journalism Major, or Magazine Journalism Minor and meet grammar proficiency requirement. News gathering and writing for the mass media. Fall, Spring. M&S fee $15.00

JOU 3004 CAH-LANG 3(3,0)
History of American Journalism: Development of mass media, leading innovators, and the media’s role in the nation’s history. Fall, Spring.

JOU 3101 CAH-LANG 3(3,0)
Advanced Reporting: PR: Journalism major or Magazine Journalism minor, meet Grammar Proficiency standard, and a minimum grade of C (2.0) in JOU 2100C. Advanced information-gathering and development of news writing skills. Fall, Spring. M&S fee $15.00

JOU 3130 CAH-LANG 3(3,0)
In-Depth Reporting: PR: STA 1000C or MAC 1105C, and JOU 2100C, or C.I. Writing with analysis, using detail, description, and demographics. Occasional.

JOU 3184C COS-COMM 3(2,1)
Metro Reporting: PR: Journalism major and a minimum grade of C (2.0) in JOU 2100C. Coverage of several important news beats in a metropolitan area. Occasional.

JOU 3201 COS-COMM 3(3,0)
Editing I: PR: Journalism major or Magazine Journalism minor and meet grammar proficiency requirement. Editing copy, writing headlines, managing newsroom operations. Fall, Spring. M&S fee $15.00

JOU 3202 COS-COMM 3(3,0)
Editing II: PR: Journalism major or Magazine Journalism minor, a minimum grade of C (2.0) in JOU 3201, and a minimum grade of C (2.0) in JOU 2100C. Practical aspects of editing. Principles of design. Practice in editing and layout. Occasional. M&S fee $15.00

JOU 3304 COS-COMM 3(3,0)
Journalism Readings: PR: SPC 1608 or SPC 1603 or COM 1000. Concepts of literary journalism, designed to enhance understanding and evaluation techniques used by journalists. Occasional.

JOU 3313C COS-COMM 3(2,1)
Sports Reporting: PR: Journalism major and a minimum grade of C (2.0) in JOU 2100C. Covering sports for the print media, issues, principles, and practices. Occasional.

JOU 3510 COS-COMM 3(3,0)
Magazine Publishing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of C (2.0) in JOU 2100C. Experience in marketing, emphasizing business operations and current topics. Occasional.

JOU 4181 COS-COMM 3(3,0)
Public Affairs Reporting: PR: Journalism major, and a minimum grade of C (2.0) in JOU 2100C and a minimum grade of C (2.0) in JOU 3184C or JOU 3101. Reporting on city, county and state government. Fall, Spring. M&S fee $15.00

JOU 4211C COS-COMM 3(2,1)
Informational Graphics: PR: Journalism major and a minimum grade of C (2.0) in JOU 2100C. Use of boxes, charts and graphics in the print media. Occasional.

JOU 4213C COS-COMM 3(2,1)
Page Design: PR: Journalism major and JOU 3201. Designing newspaper pages, including stories, headlines, and other content. Occasional.

JOU 4224 COS-COMM 3(3,0)
Magazine Editing and Production: PR: Journalism major or Magazine Journalism minor, and a minimum grade of C (2.0) in JOU 2100C. The magazine industry, including writing and editing skills, and editorial, business, and production requirements. Occasional.

JOU 4300 COS-COMM 3(3,0)
Feature Writing: PR: Journalism major or Magazine Journalism minor, and a minimum grade of C (2.0) in JOU 2100C. Writing feature articles for newspapers and magazines. Fall, Spring.

JOU 4306C COS-COMM 3(1,2)
Critical Writing: PR: Journalism major or Magazine Journalism minor. Writing reviews of movies, plays, television programs, concerts, books, and other cultural works. Occasional.

JOU 4308 COS-COMM 3(3,0)
Freelance Writing: PR: Journalism major or Magazine Journalism minor. A study of the techniques and procedures of freelance writing, including the preparation of several manuscripts. Occasional.

JOU 4340C COS-COMM 3(1,3)
On-line Journalism I: PR: PUR 3100, or a minimum grade of C (2.0) in JOU 2100C. The development, impact, and problems of using the Internet as a journalistic tool. Write and design news for the Web. Occasional. M&S fee $15.00

JOU 4341C COS-COMM 3(1,3)
On-line Journalism II: PR: JOU 4340C. Study, design, and development of on-line journalism materials. Occasional. M&S fee $15.00

JOU 4342C COS-COMM 3(2,1)

JOU 4700 COS-COMM 3(3,0)
Journalism Ethics: PR: MMC 3320. 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.

JPN 1121C CAH-LANG 4(3,1)
Elementary Japanese Language and Civilization II: PR: JPN 1120C or equivalent. Continuation of JPN 1120C. Spring.

JPN 2200 CAH-LANG 3(3,1)
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 1120C and equivalent proficiency. Communication in conversational Japanese to enhance knowledge of the sound changes, speech functions and styles in verbal discourse. Occasional.

JST 3005 CAH-JUD 3(3,0)

JST 3100 CAH-JUD 3(3,0)

JST 3120 CAH-JUD 3(3,0)

JST 3121 CAH-JUD 3(3,0)
Classic Texts of Judaism: PR: ENC 1102. Scriptures, post-Biblical Rabbinic writings, Exegesis, Apocrypha, Quaran documents, Mishnah, Talmud, the Siddur, as well as Jewish mystical writings. Occasional.

JST 3125 CAH-JUD 3(3,0)

JST 3126 CAH-JUD 3(3,0)

JST 3144 CAH-JUD 3(3,0)
Dead Sea Scrolls: PR: Junior standing or C.I. The Dead Sea Scrolls, their literary and historical context, and significance. Occasional.

JST 3190 CAH-JUD 3(3,0)
The Biblical Prophets: PR: ENC 1102. Writings of the biblical prophets, Isaiah, Jeremiah and Ezekiel against the backdrop of their times. Occasional.

JST 3210 CAH-JUD 3(3,0)
Kabbalah: Jewish Mysticism: PR: ENC 1102. Jewish mysticism from its early roots in the prophetic age through the flowering of Kabbalah in medieval Spain and the land of Israel, with its texts and the Zohar. Occasional.

JST 3312 CAH-JUD 3(3,0)
Identity and Genre: PR: ENC 1102 or C.I. Jewish and Hebrew literature as related to the intellectual quest for Jewish identity and modernism in the 18th and 19th centuries. Occasional.
LIN 3713  HPA-COM SC&DIS  3(3,0)
Language Science: PR: or CR: SPA 3471. Language components, models of language production and comprehension, and theories of language development. Fall, Spring.

LIN 3716  HPA-COM SC&DIS  3(3,0)
Language Development: PR: LIN 3713; CR: LIN 3716L. Spoken and written language development from infancy to adulthood. Fall, Spring.

LIN 3716L  HPA-COM SC&DIS  2(0,2)

LIN 4105  CAH-ENG  3(3,0)
History of the English Language: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Study of the English language and its development from Anglo-Saxon to Modern. Fall, Spring.

LIN 4600  CAH-WRITE  3(3,0)
Language and Society: PR: Grade of "C" (2.0) or better required in ENC 1102. Examines language and society, including the relationship of sociolinguistic variations to identity and culture. Occasional.

LIN 4615  CAH-ENG  3(3,0)
African-American Styles of Communication: PR: Grade of C (2.0) or better required in ENC 1102 and junior standing or C.I. African-American norms contrasted to Anglo-American norms with attention given to speech acts, kinetics, proxemics, paralinguistics, and gender roles. Occasional.

LIN 4643  CAH-ENG  3(3,0)
Cross Cultural Communication: PR: Junior standing or C.I. and C (2.0) or better required in ENC 1102. Styles of spoken, written, and nonverbal communication of selected cultural groups. Occasional.

LIN 4643H  CAH-ENG  3(3,0)
Honors Cross-Cultural Communication: PR: ENC 1102H and permission of Honors. Styles of spoken, written, and nonverbal communication of selected cultural groups with honors language. Occasional.

LIN 4660  CAH-ENG  3(3,0)
Linguistics and Literature: PR: Grade of C (2.0) or better required in LIN 3010 or C.I. Language study as an aid to understanding literature. Occasional.

LIN 4680  CAH-ENG  3(3,0)
Modern English Grammar: PR: Sophomore standing, and C (2.0) or better required in ENC 1102. Emphasis upon the analysis and comparison of traditional, structural, and transformational grammar. Spring.

LIN 4711  HPA-COM SC&DIS  3(3,0)
Language Analysis: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing, and describing language across the lifespan. Fall, Spring.

LIN 4711L  HPA-COM SC&DIS  1(0,1)
Language Analysis Lab: PR: LIN 3716 and LIN 3717. CR: LIN 4711L. Introduction to procedures for sampling, analyzing and describing language samples across the lifespan. Graded S/U. Fall, Spring.

LIN 4801  CAH-ENG  3(3,0)
Language and Meaning: PR: Grade of C (2.0) or better required in ENC 1102 and sophomore standing. A linguistic study of the nature of language, meaning, and the ways in which man uses language in various social, cultural, institutional, and professional settings. Occasional.

LIN 5137  CAH-ENG  3(3,0)
Linguistics: PR: Graduate status or senior standing or C.I. Modern linguistic theories and studies focusing on language acquisition and development, contemporary American English, semantics, and para-linguistics. Occasional.

LIN 5675  CAH-ENG  3(3,0)
English Grammar and Usage: PR: Graduate status or sophomore 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(3,0)
Introduction to Literary Interpretation: PR: ENC 1102. Interpretation of 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 Moliere, Voltaire, Goethe, Pushkin, Balzac, Tolstoy, Ibsen, Mann, Kafka, Camus, and others. Fall, Spring.

LIT 2120H  CAH-ENG  3(3,0)
World Literature II - Honors: PR: Permission of Honors. Same as LIT 2120, with honors-level content. Occasional.

LIT 3082  CAH-ENG  3(3,0)
Continental European Fiction Since 1900: PR: Grade of C (2.0) or better required in ENC 1102. A selection of significant works of fiction written in various languages during the present century, read in translation. Occasional.

LIT 3192  CAH-ENG  3(3,0)
Caribbean Literature: PR: Grade of C (2.0) or better required in ENC 1102. Traces how Caribbean societies have achieved self-expression through documentary writing, prose fiction, and popular culture, in English. Occasional.

LIT 3192H  CAH-ENG  3(3,0)

LIT 3202  CAH-ENG  3(3,0)
Death and Dying: PR: ENC 1102. Considering the topic of death and dying through a study of literature, the course includes facts, psychological impact, ideological responses to death and identity. Occasional.

LIT 3313  CAH-ENG  3(3,0)

LIT 3313H  CAH-ENG  3(3,0)
Honors Science Fiction Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. An investigation of science fiction as a literary form, together with selected readings, Honors content. Occasional.

LIT 3381  CAH-ENG  3(3,0)
Women Writers of Color: PR: ENC 1102 or C.I. Examines the cultural productions of women writers of color in the Americas with a particular focus on literature, theory, and film. Occasional.

LIT 3383  CAH-ENG  3(3,0)
Women in Literature: PR: ENC 1102. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Tom Morrison, Adrienne Rich, Gwendolyn Brooks. Occasional.

LIT 3383H  CAH-ENG  3(3,0)
Honors Women in Literature: PR: Permission of Honors and ENC 1102H or equivalent credit. Fiction, poetry, drama and non-fiction by selected women writers, such as Emily Dickinson, Jane Austen, George Eliot, Kate Chopin, Zora Neale Hurston, Tom 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, dramas, and novels will be covered. Occasional.
UCF Courses and Descriptions

MAC 2311 COS-MATH 4(4,0) Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a "C" (2.0) or better and MAC 1141 with a grade of "C" (2.0) or better, or combination of appropriate score on the UCF Math Placement Exam and "C" (2.0) or better in MAC 1141 or MAC 1140, or MAC 2147 or score of 3 or better on the Calculus AB Advanced Placement Exam, or C.I. Analytic geometry; limits, continuity, differentiation of algebraic, trigonometric, exponential, logarithmic and inverse trigonometric functions; techniques of integration; fundamental theorem of calculus; applications of definite integrals. Not open to students with credit for MAC 2311 or 2311H. "The NC grading policy applies to this course. Fall, Spring.

MAC 2311H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry I: PR: Appropriate score on the UCF Math Placement Exam, or MAC 1140C with a C (2.0) or better and MAC 1141 with a grade of C (2.0) or better, or score of 3 or better on the Calculus AB Advanced Placement Exam, and consent of Honors. Analytic geometry; limits, continuity, differentiation of algebraic, trigonometric, exponential, logarithmic and inverse trigonometric functions; techniques of integration; fundamental theorem of calculus; applications of definite integrals. Not open to students with credit for MAC 2311 or 2311H. "The NC grading policy applies to this course. With Honors consent. Fall, Spring.

MAC 2312 COS-MATH 4(4,0) Calculus with Analytic Geometry II: PR: C (2.0) or better in MAC 2311, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of transcendental functions, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates, infinite sequences and series. Fall, Spring.

MAC 2312H COS-MATH 4(4,0) Honors Calculus with Analytic Geometry II: PR: C (2.0) or better in MAC 2311, or score of 5 on the Calculus AB Advanced Placement Exam, or C.I. Differentiation and integration of transcendental functions, inverse trigonometric functions; techniques of integration; further applications of integration; parametric equations, polar coordinates, infinite sequences and series. With Honors consent. Fall, Spring.

MAC 2313 COS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stokes's Theorem. Fall, Spring.

MAC 2313H COS-MATH 4(4,0) Calculus with Analytic Geometry III: PR: Grade of "C" (2.0) or better in MAC 2312, or score of 5 on the Calculus BC Advanced Placement Exam, or C.I. Geometry of higher dimensional Euclidean space; vectors and vector functions; partial derivatives; multiple integrals; line integrals; vector fields; Green's Theorem and Stokes's Theorem. With Honors consent. Spring.

MAD 2104 COS-MATH 3(3,0) Foundations of Discrete Math: PR: 2 years of high school algebra and 1 year of geometry or C.I. Basic mathematical logic, methods of proof in mathematics, and application to elementary discrete structure. Fall, Spring.

MAD 2402 COS-MATH 3(3,0) Applied Combinatorics: PR: MAC 2312, and either MTH 3302 or COT 3100C, or C.I. Counting principles; permutations and combinations, multisets; recurrence relations and generating functions; combinatorial designs; the Polya theory of counting. Fall.

MAD 4301 COS-MATH 3(3,0) Graph Theory: PR: MAC 2313 and MHF 3302, or C.I. Graph theory; isomorphism; connectivity; traversability; matchings, factorizations; planarity; colorings, and Ramsey theory. Spring.

MAD 5205 COS-MATH 3(3,0) Combinatorics and Graph Theory II: PR: MAD 4203, graduate status or senior standing, or C.I. Polya's theory of counting; Latin squares and rectangles; block designs; coding theory; probabilistic methods; hypergraphs; applications. Odd Spring.

MAE 2801 ED-TL&L 4(3,1) Elementary School Mathematics: PR: MAC 1105C or MTH 1108, Mathematics appropriate for the elementary school including the six basic sets of numbers, concepts, learning sequences, algorithms, problem-solving techniques, error patterns, number systems, and geometry. Fall, Spring.

MAE 4300 ED-CFCS 3(3,0) Math Curriculum Assessment in Early Childhood: PR: EEC 4661, EEC 4207; CR: EEC 3940. Methodologies for teaching and assessing young children in mathematics concepts and skills through an integrated, developmentally appropriate program. Fall.

MAE 4326 ED-TL&L 3(3,0) How Children Learn Mathematics: PR: MAE 2801 or C.I., and admission to Phase II. Instructional strategies, learning activities, the use of manipulatives, lesson planning; evaluation of mathematics learning, and diagnostic techniques. Fall. Spring. M&S fee $10.00.

MAE 4360 ED-TL&L 4(3,2) Mathematics Instructional Analysis: PR: EDG 4233. Study of course objectives for the middle grades and high school curriculum and survey of methods and materials which have special application for teaching mathematics. Fall.


MAE 5327 ED-TL&L 3(3,0) Teaching Middle School Mathematics: PR: EDG 6265 or C.I. Teaching middle school mathematics instruction in grades 6-9. The use of technology, cooperative learning, ESOL, and manipulatives is considered. Occasional.

MAE 5339 ED-TL&L 3(3,0) Current Methods in Secondary School Mathematics: PR: EDG 4323 or EDG 6236 or C.I. Required special methods course for mathematics 6-12 certification. Assessment, curriculum, technology, practical classroom ideas and activities. Occasional.

MAE 5933 COS-MATH 3(3,0) Post-Secondary Mathematics: PR: Graduate status or senior standing or C.I. The course will focus on issues which are faced by teachers of collegiate mathematics. Topics will be selected from teaching issues, program issues, and institutional issues. Fall, Spring.

MAN 2021 BA-MAN 3(3,0) Management: PR: Junior standing. For non-business majors only. The interdisciplinary application of the management functions of planning, organizing, leading, and controlling. For Non-Business Major ONLY. Occasional.

MAN 3025 BA-MAN 4(3,0) 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 business major or minor, permission of Honors, ECO 2013, ECO 2023 and ACG 2071. Introduction to the 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. Introduction to human resource management concepts and techniques. Applicable to all students of human resource 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 specialists. 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. Concentrated investigation of the methods appropriate to the development, implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4310 BA-MAN 3(3,0) Human Resource Management Issues: PR: Management major, Junior standing, MAN 3301. An assignment-oriented course to give students in the area experience 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 implementation and administration of the staffing process in contemporary organizations. Fall, Spring.

MAN 4330 BA-MAN 3(3,0) Compensation Administration: PR: Management major, MAN 3301. Presentation of compensation theory and current pay related issues and their application to the design and administration of pay systems in large and small organizations. Fall, Odd Spring.

MAN 4350 BA-MAN 3(3,0) Training and Development: PR: Management major, MAN 3301. This course focuses on training and development activities as performed by organizational specialists. Theory, issues, practices and problems are discussed. Fall, Spring.

MAN 4401 BA-MAN 3(3,0) Labor Relations Management: PR: Management major, Junior standing, MAN 3301. The impact of employee organizations on labor relations, current problems, conflicts and trends; the development of managerial approaches to achieve labor-management cooperation. Occasional.

MAN 4441 BA-MAN 3(3,0) Conflict Resolution and Negotiation: PR: MAN 3025. Conflict resolution and negotiation theories and processes applied to human resource management practices and other management activities in work organizations. Occasional.

MAN 4521 BA-MAN 3(3,0) Production Planning and Control: PR: Management major, MAN 3301. In depth study of long-range, intermediate-range and short-range planning and control methods as applied to a manufacturing organization. Occasional.

MAN 4583 BA-MAN 3(3,0) Project Management: PR: GEB 3031 and MAN 3025. Foundations of project management in assorted business organizations (large/small; manufacturing/service; for profit/ not for profit). Covers all project phases from initiation to termination. Occasional.
MAN 4600 BA-MAN 3(3,0) International Management: PR: Approved major or minor, MAP 5024. Course examines issues involved in multinational management of business firms, with special emphasis on comparative management. Fall, Spring.

MAN 4701 BA-MAN 3(3,0) Business Ethics and Society: PR: Management major, MAN 3025. This course applies the ethics dimension to business decisions in today's complex political, social, economic and technological environment. Fall, Spring.

MAN 4720 BA-MAN 4(4,0) Strategic Management: PR: MAN 3025, MAR 3023, FIN 3403C and GEB 3031. Students assume a strategic view of organizations and integrate and apply material learned in a strategic management course to modern organizational problems and opportunities. Fall, Spring.


MAN 4802 BA-MAN 3(3,0) Entrepreneurship: PR: GEB 3031 or (MAN 3025 and MAR 3023). Study of entrepreneurship with emphasis on innovation, feasibility, planning, product and service concepts, and organizing and developing a new venture. Fall, Spring.

MAN 4804 BA-MAN 3(3,0) Small Business Consulting: PR: 3.0 GPA and Business major in graduation term or C. Students are assigned teams and work with a local small business. Occasional.

MAN 4941 BA-MAN 3(0,3) Management Internship: PR: Management major, application approval, consent of department chair. Provides student with supervised, management-related work experience in a sponsoring organization. See department for information; application required. May be repeated for credit. Occasional.

MAN 5021 BA-MAN 1.5(1.5,0) 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” (2.0) or better in MAC 2312. Methods of solution for first order equations, linear equations. Linear Laplace transforms. Series solutions. Selected applications. Fall, Spring.

MAP 2302H COS-MATH 3(3,0) Differential Equations (Honors): PR: Grade of “C” (2.0) or better in MAC 2312, and permission of Honors. Methods of solution for first order equations, Linear equations. Numerical methods; Laplace transforms. Series solutions. Selected applications. Students will complete projects. For Honors students from all disciplines. Occasional.

MAP 3482H COS-MATH 3(3,0) Systems Modeling and Simulation: PR: Permission of Honors and MAC 2312. Population growth dynamics; spread of an epidemic; ecological predator-prey relationships; insulin and its use in the control of diabetes; economic systems. Occasional.

MAP 3923 COS-MATH 1(1,0) Frontiers in Mathematical Research: Colloquium and Problem Solving: PR: MAP 2302 or MAC 2523, C.I. Current research in mathematics and related fields, as presented by leading national and international researchers. May not be used to satisfy requirements for mathematics major or minor. Graded S/U. May be used in the degree program a maximum of 3 times. Fall, Spring.

MAP 3937 COS-MATH 1(1,0) Techniques of Problem Solving: PR: MAC 2311 and CR: MAC 2312; or C.I. Methods for solving problems in a wide variety of fields, with an emphasis on proper mathematical technique and writing of solutions. Graded S/U. May be repeated for credit. Fall.


MAP 4113 COS-MATH 3(3,0) Probability, Random Processes and Applications I: PR: MAC 2313. Elementary probability theory; modes of convergence; martingales, Gaussian, Wiener, and diffusion processes; Brownian motion; applications. Occasional.

MAP 4153 COS-MATH 3(3,0) Vector and Tensor Analysis: PR: 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 2303. Linear and dynamic programming, project scheduling, integer programming, theory of queues and stochastic simulation. Occasional.


MAP 4364 COS-MATH 3(3,0) Applied Boundary Value Problems II: PR: MAP 4363 or C.I. Legendre polynomials and Bessel functions. The theory of Sturm-Liouville. Separation of variables. Applications involving the wave equation, heat equation and equation of Laplace. Spring.


MAP 5106 COS-MATH 3(3,0) Introduction to Quantitative Aspects of Modeling and Simulation: PR: MAC 2523, gradate status or senior standing, or C.I. An introduction to calculus, matrix algebra, probability and statistics, and high level programming languages. A student who has mastered this content does not have to take this course. Occasional.

MAP 5117 COS-MATH 3(3,0) Mathematical Modeling: PR: STA 4321, MAP 4363, graduate status or senior standing, or C.I. Introduction to modeling in industrial and scientific applications; techniques for studying stability and determining trends. Fall.


MAP 5396 COS-MATH 3(3,0) Splines and Data Fitting: PR: MAS 3106, MAS 3108, STA 5323, and graduate status or senior standing or C.I. Univariate splines and their application to data fitting, Applications to regression analysis, differential and integral equations. Algorithms to use different types of splines in computation. Occasional.

MAP 5404 COS-MATH 3(3,0) Mathematical Foundations for Industrial Engineering and Operations: PR: MAP 2302, ESI 5219 or equivalent, ESI 4312, and graduate status or senior standing or C.I. Methods of proof, set theory, basic elements of topology, real analysis, graph theory, and matrix analysis. Occasional.

MAP 5426 COS-MATH 3(3,0) Special Functions: PR: MAP 2302, and graduate status or senior standing or C.I. Series and integral representations, generating functions, recurrence relations and orthogonality properties of the special functions. Emphasis on Bessel, Legendre and hypergeometric functions. Occasional.

MAP 5435 COS-MATH 3(3,0) Advanced Mathematics for Engineers: PR: MAP 2302, and graduate status or senior standing or C.I. Linear Algebra and matrix methods, ordinary differential equations, Fourier series, partial differential equations, numerical methods for differential equations, and applications to engineering. Occasional.

MAP 5514 COS-MATH 3(0,0) Linear and Nonlinear Waves: PR: MAP 2302, MAC 3843, and graduate status or senior standing, or C.I. Equations of motion in inviscid and viscous fluids, envelope equation and energy flux, linear theory of gravity and capillary-gravity waves, variational principles for water waves. Occasional.

MAP 5931 COS-MATH 1(1,0) Research Seminar: PR: Graduate status or senior standing or C.I. For instructors and graduate students to a research area by presenting necessary background and presenting current investigations. Different branches of mathematics will be presented for a sense of diversity. Occasional.

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. Honors introductory course in marketing. Topics include customer orientation, segmentation, positioning, strategic marketing management, implementation, and control. Fall.

MAR 3203 BA-MAR 4(4,0) Supply Chain Management: PR: Admission to the College of Business. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information required to meet customer’s demands. Fall, Spring.

MAR 3203H BA-MAR 4(4,0) Honors Supply Chain Management: PR: Consent of Honors. Planning and management of all activities involved in designing and managing the processes, assets, and flows of materials and information required to meet customer’s demands. With Honors content. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Professional Selling: 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 market- ing communications programs. Fall, Spring.

MAR 3391 BA-MAR 3(3,0) Integrated Marketing Communications: PR: MAP 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Written and verbal communications skills applied to marketing settings. A significant portion of the course is devoted to the study of professional selling. Fall, Spring.
UCF Courses and Descriptions

MAR 3391H BA-MAR  3(3,0)  Honors Professional Selling: PR: MAR 3023 and consent of Honors, or C.I. Applied written and verbal communication skills learned within the context of professional selling with honors content. Spring.

MAR 3403 BA-MAR  3(3,0)  Sales Force Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. An overview of the sales management process. Emphasis on sales program formulation and implementation. Fall, Spring.

MAR 3503 BA-MAR  3(3,0)  Consumer Behavior: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. End user and business customer buying behavior, building long-term customer relationships, segmentation of markets and positioning strategies. Fall, Spring.

MAR 3613 BA-MAR  3(3,0)  Marketing Analysis and Research: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor and one of the following: STA 3032 with a grade of C (2.0) or better or ECO 2022, C.I. Equations, linear models and their application to marketing problems and decision making. Forecasting, financial analysis, and acquisition of primary data through market research are emphasized. Fall, Spring.

MAR 3641 BA-MAR  3(3,0)  Marketing Intelligence: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Contemporary sources and applications of information concerning external forces impacting market decision making. Fall, Spring.

MAR 3721 BA-MAR  3(3,0)  Technology Applications in Marketing: PR: MAR 3023 with a grade of C (2.0) or better and completion of Common Program Prerequisites and appropriate Major or Minor. Application of computer technology to marketing decision-making. Occasional.

MAR 3765 BA-MAR  3(3,0)  Entrepreneurial Marketing: PR: MAR 3023 with a grade of C(2.0) or better and common program prerequisites and appropriate Major or Minor. Exploration of how marketing and entrepreneurship affect and are affected by one another. Fall, Spring.

MAR 4156 BA-MAR  3(3,0)  International Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Investigations strategy, policy and the variables in international marketing decisions. Fall, Spring.

MAR 4231 BA-MAR  3(3,0)  Retailing Management: PR: MAR 3023 with a grade of C(2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Analysis of the field of retailing. Emphasis on planning for profit through management, inventory control, etc. Occasional.

MAR 4413C BA-MAR  3(3,0)  Strategic Issues in Sales-Lecture: PR: MAR 3023, MAR 4415C, common program prerequisites, approved major or minor, and department consent. Advanced study of selected contemporary strategic issues in selling and sales management. Spring.

MAR 4415C BA-MAR  3(3,0)  Advanced Professional Selling: PR: MAR 3023 and common program prerequisites and appropriate Major or Minor and MAR 3391 and Department Consent. Advanced study of the professional selling process, including team selling, negotiation, customer conflict management, and CRM systems. Fall.

MAR 4711 BA-MAR  3(3,0)  Sport Marketing: PR: MAR 3023 with a grade of C(2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to the sports and leisure industry. Occasional.

MAR 4712 BA-MAR  3(3,0)  Healthcare Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Study of marketing as it applies to healthcare manufacturers, intermediaries and providers. Occasional.

MAR 4715 BA-MAR  3(3,0)  Entertainment Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Application of marketing theory and tools to the marketing of products and services in the entertainment industry. Occasional.

MAR 4803 BA-MAR  3(3,0)  Marketing Management: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor and MAR 3613 with a grade of C (2.0) or better. Planning, organizing, implementing, controlling, and marketing programs to effectively complete in dynamic and diverse business environments. Fall, Spring.

MAR 4804 BA-MAR  3(3,0)  Marketing Strategy: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and Marketing Major or Minor. Examinations of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix and the implementation of services strategies. Fall, Spring.

MAR 4841 BA-MAR  3(3,0)  Services Marketing: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Examination of marketing in services industries, with particular emphasis on unique aspects of services marketing, the service marketing mix and the implementation of services strategies. Fall, Spring.

MAR 4934 BA-MAR  3(3,0)  Contemporary Marketing Topics in Florida: PR: MAR 3023 with a grade of C (2.0) or better and Common Program Prerequisites and appropriate Major or Minor. Advanced study of marketing topics relevant to major business sectors in the state of Florida, e.g., high technology, health care, sustainable marketing, housing, real estate, tourism, hospitality, sports, gaming, etc. Topics may vary from term to term. May be repeated for credit only when course content is different. Occasional.

MAR 4941 BA-MAR  3(3,0)  Marketing Internship: PR: Marketing major, application approval, consent of department. Provides student with supervised, market-related work experience in a sponsoring organization. Application required. Fall, Spring.

MAS 3105 COS-MATH  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, eigenvalues, Jordan Form, matrix functions, quadratic forms. Fall, Spring.

MAS 3106 COS-MATH  4(4,0)  Linear Algebra: PR: MHF 3302, MAS 3105, or C.I. Abstract vector spaces, linear transformations, isomorphisms, projections, innerproducts, the spectral theorem, Jordan Canonical Form. (Only offered spring semester). Spring.

MAS 3203 COS-MATH  3(3,0)  Introduction to Number Theory: PR: MHF 3302 or C.I. The course will include the following topics: induction, reasoning, factoring, the division algorithm and congruences. Spring.

MAS 4301 COS-MATH  3(3,0)  Abstract Algebra I: PR: MHF 3302 and MAS 3106, or C.I. Sets and mappings, groups, subgroups, permutation groups, homomorphisms and isomorphisms, the isomorphism theorems, groups actions, the class equation, Sylow theorems, and rings. Fall.

MAS 4302 COS-MATH  3(3,0)  Abstract Algebra II: PR: MAS 4301 or C.I. Advanced topics in abstract algebra, including ring theory and field theory; introduction to Galois theory. Spring.

MAS 4934 COS-MATH  3(3,0)  Topics in Algebra and Discrete Mathematics: PR: MAS 3108, MAS 4301, and MAD 4203 or MAD 4301, or C.I. Advanced topics in abstract algebra and discrete mathematics. Selection of topics will vary. May be used in the degree program a maximum of 3 times. Occasional.

MAS 5145 COS-MATH  3(3,0)  Advanced Linear Algebra and Matrix Theory: PR: MAS 4301 or C.I. Linear transformations, matrices, eigenvalues and eigenvectors, Jordan forms, positive definite matrices, bilinear and quadratic forms, functions of matrices. Even Fall.

MAS 5311 COS-MATH  3(3,0)  Abstract Algebra with Applications: PR: MAS 4301 or undergraduate abstract algebra, and graduate status or senior standing or C.I. Group actions, the class equation, Sylow Theorems, polygonal rings, Euclidian domains, principal ideal domains, field extensions, modules, and semi-simple rings. Fall.

MAT 1033C COS-MATH  2(1,4)  Intermediate Algebra: Reinforcement and development of algebra skills. Operations with polynomial, rational expressions, radicals, rational exponents, linear and quadratic equations, linear inequalities. This course is a “bridge course” which may be applied towards a degree as elective credit. This course will not satisfy either the GEP or Gordon Rule. Occasional.

MAT 5712 COS-MATH  3(3,0)  Scientific Computing: PR: MAC 2313, MAS 2002, MAS 3105, or C.I. Matlab fundamentals, computer arithmetic, non-linear equations, polynomial interpolation, divided differences, splines, curve fitting, least-squares method, numerical differentiation and Integration. Even Fall.

MCB 1311C COM-M&M  3(3,0)  Introduction to Biotechnology and Genetic Engineering: Introduction to theories, laws, principles, foundations, scientific methods of genetic engineering & biotechnology and their applications in agriculture, environment and health. Fall.


MCB 3020C COM-M&M  5(3,4)  General Microbiology: PR: BSC 2010C, CHM 2046, or CR: CHM 2210. Fundamentals of microbiology, evaluating microbial structure and function, microbial growth, genetics, virology environmental control, ecology, pathology; and laboratory techniques. Fall, Spring. M&S fee $45.00.

MCB 3020D 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 analytical skills in a separate laboratory and discussion section. With Honors consent. Fall.

MCB 3202 COM-M&M  3(3.0)  Principles of Infectious Disease: PR: MCB 3020C. Introduction to host-pathogen interactions and microbial pathogenesis, with topics covering eukaryotic pathogens, virology, prokaryotic structure, pathogen identification, epidemiology, immunity, vaccines and antimicrobials, and virulence mechanisms. Occasional.

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 investigation of pathogenic microorganisms, with emphasis on isolation and identification of pathogenic microorganisms. Spring. M&S fee $45.00.

MCB 3404 COM-M&M  3(3,0)  Bacterial Genetics and Physiology: PR: PCB 3522. Basic principles of microbial genetic analysis and emphasizing how microbial genetic approaches are used to understand fundamental physiological processes in bacteria. Spring.


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. The interaction of infectious agents with host systems. Key systems of the host will be examined. Fall.

MCB 4312 COM-M&M 3(3,0) Molecular Biotechnology: PR: MCB 3020C. Principles, techniques, and applications of Molecular Biotechnology in genetically modified food, cloning, gene therapy, and forensics; transgenic animals; patents and regulations. Fall.

MCB 4414 COM-M&M 3(3,0) Microbial Metabolism: PR: MCB 3020C, CR: BCH 4053. Interrelationship 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(3,0) Environmental Microbiology: PR: MCB 3020C. Interrelationships between the biological activities of microorganisms and their terrestrial and aquatic environments. 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. Occasional. M&S fee $70.00

MCB 4920C COM-M&M 3(1,4) Group-Effort Applied Research: PR: MCB 3020C and BSC 3403C. Hands-on training class focused on real-world, applied research. Students participate as a group in a research project focusing on highly-parallel technical applications. May be used in the degree program a maximum of 2 times only when course content is different. Occasional.

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, clinical trials, 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 in-depth overview of the fundamental aspects and current concerns in modern virology including HIV, tumor viruses, Prion disease, virus-host interaction, genome replication and pathogenesis. Occasional.

MCB 5527 COM-M&M 3(3,0) Genetic Engineering and Biotechnology: PR: PCB 3522 and PCB 4524 or C.I. Principles of Genetic Engineering/Biotechnology in Bacteria, Yeast, Viral, Mammalian, Non-mammalian systems, Plants, including human gene therapy, novel pharmacologics, recombinant proteins will be discussed indepth. Fall.

MCB 5684 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) Methods in Biotechnology: PR: Graduate standing or C.I. Selected current research topics from the primary literature reflecting recent advances in molecular biology. May be repeated for credit. Occasional.

MET 2104 COS-PHYS 3(3,0) The Earth’s Climate: History, physics and dynamics of the Earth’s climate. Odd Spring.

MGF 1106 COS-MATH 3(3,0) Finite Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a “C” (2.0) or better, or C.I. Introduction to systematic counting, probability, geometry, statistics, sets and logic. This course is intended for students who are not planning to take upper level courses in mathematics. Fall.

MGF 1107 COS-MATH 3(3,0) Explorations in Mathematics: PR: Appropriate score on the UCF Math Placement test, or MAT 1033C with a “C” (2.0) or better, or C.I. The beauty and utility of mathematics, including patterns and symmetry, voting strategies, and finance. Connections between math and music, art, architecture, and nature. This course is intended for students planning to take upper level mathematics. Fall, Spring.

MHI 3701 ED-E&HS 3(3,0) Career Planning: Introduction to career and life planning theories and concepts that assists students in applying these to their own lives. Odd Fall, Even Spring.

MHS 2441 ED-E&HS 3(3,0) Marriage and Intimate Relationships: Examination of the dynamics of intimate relationships, dating, courtship and challenges of establishing stable and satisfying marriage, impact of divorce, premarital preparations and marital education. Occasional.

MHS 5005 ED-E&HS 3(3,0) Introduction to the Counseling Profession: PR: Completion of Phase II of Education Professional Preparation or C.I. Overview of the philosophy, organization, administration, and roles of counselors in various work settings. Fall, Spring.

MLS 3220C COM-M&M 3(3,3) Techniques in Clinical Microscopy: PR: CHM 2210 and PCB 3703C or C.I. Analysis of body fluids and urine by chemical and microscopic methods with interpretation and correlation to human disease. Fall. M&S fee $70.00

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 3370 COM-M&M 3(3,0) Concepts in Education/Management: PR: Admission to professional phase of the MLS program. Introduction to managerial concepts, practices, and techniques. Fall.

MLS 4334 COM-M&M 3(3,0) Hemostasis: PR: CHM 2210 and PCB 3703C. Overview of hemostatic and fibrinolytic conditions at the time of disease and the relationship of lab tests to diagnosis. Occasional.

MLS 4420C COM-M&M 1(1,2) Clinical Mycology: PR: Admission to the professional phase of the MLS program with C.I. Instruction and laboratory practice in the isolation and identification of fungi associated with mycotic infections of man. Occasional. M&S fee $15.00

MLS 4430C COM-M&M 2(1,3) Clinical Parasitology: PR: MCB 3020C, 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 4460C COM-M&M 5(3,6) Clinical Pathogenic Microbiology: PR: Admission to the professional phase of the MLS program. Analysis of clinical pathogenic bacteria, fungi, viruses and their correlation to disease. Spring. M&S fee $45.00


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 $70.00

MLS 4625 COM-M&M 3(3,0) Advanced Clinical Chemistry I: PR: CHM 2210, PCB 3703C or C.I. Correlation of lab test to specific disease states including deviations in carbohydrate, amino acid metabolism, renal function, gastric function, electrolytes, and blood gases. Fall.

MLS 4625L COM-M&M 1(0,3) Advanced Clinical Chem I Lab: PR: MLS 4625. Laboratory procedures routinely performed in a clinical chemistry laboratory. Fall. M&S fee $70.00

MLS 4630 COM-M&M 3(3,0) Advanced Clinical Chemistry II: PR: CHM 2210, PCB 3703C or C.I. Correlation of laboratory tests to specific human disease states. Spring.
MUE 3333 CAH-MUSIC 3(3,0)

MUE 3353 CAH-MUSIC 2(2,0)

MUE 3451 CAH-MUSIC 3(3,0)
Woodwind Techniques II: PR: MUE 2450. Major, Junior standing or C.I. Continuation of Woodwind Techniques I, with emphasis on double reeds. Occasional.

MUE 3461 CAH-MUSIC 1(1,0)
Brass Techniques II: PR: MUE 2460. Continued study of performance techniques, teaching skills, resources, and materials required to teach brass instruments to beginning, middle, and high school level students. Odd Spring.

MUE 3490 CAH-MUSIC 1(1,0)

MUE 3690 CAH-MUSIC 2(2,0)
Techniques in Music Education: PR: MUE 2040 or C.I. Productivity software, classroom management tools, web design and other technological tools for classroom teaching. Odd Spring. M&S fee $2.00

MUE 3943 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: Consent of instructor. Designed for music educators. Odd Fall.

MUE 4393 CAH-MUSIC 2(2,0)
Music and Students with Special Needs: PR: MUE 2040 or C.I. Investigation of the general education music curriculum in regards to students with disabilities and special needs. Odd Fall.

MUE 4394 CAH-MUSIC 1(1,0)

MUE 4441 CAH-MUSIC 3(3,0)

MUE 4943 CAH-MUSIC 12(12,0)

MUE 5348C CAH-MUSIC 4(4,0)

MUE 5921 CAH-MUSIC 2(2,0)
Music Education Workshop: PR: Graduate standing or C.I. Variable topics in Music Education to offer hands-on instruction in a workshop format. May be used in the degree program a maximum of 4 times only when course content is different. Occasional.

MUG 3104 CAH-MUSIC 2(1,1)
Basic Conducting: PR: MUG 1122 or C.I. Fundamental techniques and practice in conducting. Fall.

MUG 3202 CAH-MUSIC 1(1,0)

MUG 3302 CAH-MUSIC 1(1,0)

MUG 4103C CAH-MUSIC 2(1,1)
Advanced Conducting: PR: C.I. Study of advanced vocal or instrumental conducting techniques. Rehearsal procedures, selection of materials and program-building, interpretation of scores, study and performance of selected works. May be repeated for credit. Occasional.

MUH 2017 CAH-MUSIC 3(3,0)

MUH 2017H CAH-MUSIC 3(3,0)
Honors Survey of Rock Music: PR: Consent of Honors. Rock music, 1950s to present, with emphasis on cultural and musical meaning. With Honors content. Even Fall.

MUH 2019 CAH-MUSIC 3(3,0)
American Popular Music, 1840s-present: Musical and cultural development of popular music in the United States from the 1840s to the present. Fall, Spring.

MUH 2071C CAH-MUSIC 1(0,1)
World Music Survey and Performance Laboratory: PR: MUC 1122 or C.I. An introduction to different musical cultures including West African, Caribbean, South American, and Asian. Occasional.
MUL 3400 CAH-MUSIC 3(3,0) Performance Arts Management: PR: Graduate status or senior standing or C.I. Structure of nonprofit performing arts organization (PAOs), examining the fundamental elements of administration, audience development, marketing, and fund-raising. Spring.

MUN 2442 CAH-MUSIC 1(1,0) Percussion/Mallet Ensemble: PR: C.I. Preparation and performance of music for percussion with mallets. May be repeated for credit. Fall. M&S fee $30.00

MUN 3113 CAH-MUSIC 2(0,8) Marching Band: PR: Admission by audition. Preparation for appearance at football games and special occasions. May be repeated for credit. Fall. M&S fee $36.54

MUN 3123 CAH-MUSIC 1(0,3) Concert Band: PR: Open to all students with audition. Study and performance of music for large ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3143 CAH-MUSIC 1(0,4) Wind Ensemble: PR: Open to all students by audition. Study and performance of music for woodwind and band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3283 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Audition. Open to all students by audition. Rehearsal and performance of works from the symphonic repertoire. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3313 CAH-MUSIC 1(3,0) University Choir: PR: C.I. Open to all students by audition. Study and performance of large ensemble music. Possible tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3323 CAH-MUSIC 1(0,3) Women's Chorus: PR: Audition and C.I. Study and performance of music for women's voices. Open to all students. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3343 CAH-MUSIC 1(0,3) Madrigal Singers: PR: C.I. Open to all students by audition. Extra rehearsals and Madrigal Dinners required. Tours. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3423 CAH-MUSIC 1(0,2) Woodwind Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3426 CAH-MUSIC 1(1,0) Saxophone Ensemble: PR: Students must pass an audition in front of the instructor. An in-depth study and performance of music written for an ensemble comprised of all saxophones. May be used in the degree program a maximum of 6 times. Fall. Spring. M&S fee $20.00

MUN 3427 CAH-MUSIC 1(1,0) Flute Ensemble: PR: Student must pass an audition in front of the instructor. Study and performance of music written for an ensemble comprised of all flutes. May be used in the degree program a maximum of 8 times. Fall, Spring. M&S fee $20.00

MUN 3431L CAH-MUSIC 1(0,2) Brass Quintet: PR: Audition and Consent of Instructor. Rehearsal and performance of music for brass quintet. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 3433 CAH-MUSIC 1(0,2) Brass Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3437 CAH-MUSIC 1(1,0) Trumpet Ensemble: PR: C.I. Rehearsal and performance of music for trumpet ensemble. May be repeated for credit. Occasional. M&S fee $20.00

MUN 3443 CAH-MUSIC 1(0,2) Percussion Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall. Spring. M&S fee $35.00

MUN 3444 CAH-MUSIC 1(1,0) Mallet Ensemble: PR: C.I. Preparation and performance of music for mallet ensemble. May be repeated for credit. Fall. Odd Spring. M&S fee $35.00

MUN 3453 CAH-MUSIC 1(0,3) Piano Ensemble: PR: Open to Music Majors or C.I. Study and performance of music for small ensembles. May be repeated for credit. Fall. Spring. M&S fee $20.00

MUN 3483 CAH-MUSIC 1(0,2) String Ensemble: PR: C.I. Open to all students. Study and performance of music for small ensembles. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3487 CAH-MUSIC 1(0,2) Guitar Ensemble: PR: Audition or C.I. Study and performance of pre-classical music for multiple guitars. May be used in the degree program a maximum of 8 times. Odd Spring. M&S fee $20.00

MUN 3713 CAH-MUSIC 1(0,4) Jazz Lab: PR: C.I. Open to all students by audition. Study and performance of music for small ensembles. May be repeated for credit. Fall. Spring. M&S fee $20.00

MUN 3714 CAH-MUSIC 1(0,2) Jazz Combo: PR: Junior standing and C.I. Rehearsal and performance of music for small jazz combo, emphasizing improvisation. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 3723 CAH-MUSIC 1(0,3) Vocal-Jazz Ensemble: PR: C.I. Open to all students. Study and performance of pre-classical music. May be repeated for credit. Occasional.

MUN 3813 CAH-MUSIC 1(1,1) Steel Drum Ensemble: PR: C.I. Rehearsal and performance of music arranged for steel drum band. May be repeated for credit. Fall, Spring. M&S fee $20.00

MUN 4476 CAH-MUSIC 1(0,2) Early Music Ensemble: PR: C.I. 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 $25.00

MUN 5215 CAH-MUSIC 1(0,5) Symphony Orchestra: PR: Open to all graduate students by audition. Rehearsal and performance of works from the symphonic repertoire. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5325 CAH-MUSIC 1(0,3) Women's Chorus: PR: Open to all graduate students by audition. Study and performance of choral music for women's voices. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $20.00

MUN 5368L CAH-MUSIC 1(0,3) Graduate Madrigal Singers: PR: Graduate standing in Music Education and C.I. Study of varied literature for small vocal ensembles. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5385L CAH-MUSIC 1(0,3) Graduate University Chorus: PR: Graduate standing in Music Education and C.I. Study and performance of large ensemble music. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00
MUN 5445 CAH-MUSIC 1(0.2)
Percussion Ensemble: PR: Open to all graduate students by audition. Study and performance of music for small percussion ensembles. May be used in the degree program a maximum of 4 times. Odd Fall. M&S fee $35.00

MUN 5465L CAH-MUSIC 1(0.2)
Graduate Chamber Music: PR: Graduate standing in Music Education and C.I. The study and performance of various vocal and/or instrumental chamber ensemble literature. Flexible instrumentation to meet student needs. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $20.00

MUN 5478L CAH-MUSIC 1(0.3)
Early Music Ensemble: PR: Graduate standing in Music Education and C.I. Graduate ensemble experience with instruments and repertoire of the Medieval, Renaissance, and Baroque periods. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $5.00

MUN 5715L CAH-MUSIC 1(0.4)
Jazz Ensemble: PR: Audition, graduate or senior standing, and C.I. Study and performance of jazz big band music. May be used in the degree program a maximum of 4 times only when course content is different. Fall, Spring. M&S fee $20.00

MUN 5716L CAH-MUSIC 1(0.2)
Jazz Chamber Group: PR: Audition, graduate standing or senior standing, and C.I. Study and performance of jazz small group music. May be used in the degree program a maximum of 4 times. Fall, Spring. M&S fee $20.00

MUO 2501C CAH-MUSIC 2(1.1)
Opera Skills: PR: Open to all students by audition. Integration of singing, acting, and movement in opera; explores basic stage movement, character preparation, and performance of opera arias. Fall.

MUO 3503L CAH-MUSIC 3(1.0)
Operatic Workshop: PR: MUO 2501C or C.I. and audition. Study, preparation, and performance of opera literature. May be used in the degree program a maximum of 6 times. Occasional. M&S fee $70.00

MUO 5505L CAH-MUSIC 3(1.0)
Graduate Opera Workshop: PR: C.I. and audition. Study of audition techniques, operatic roles and repertoire, and characterization through performance. May be used in the degree program a maximum of 5 times. Occasional. M&S fee $70.00

MUT 1010 CAH-MUSIC 0(9.2)
Music Forum: A series of special musical events required of music majors. Includes lectures and recitals by faculty, students, and guest artists. Graded S/U. May be repeated for credit. Fall, Spring.

MUT 1250 CAH-MUSIC 1(2.0)
IPA for Singers: PR: Music major or C.I. The International Phonetic Alphabet and its application to English, French, German, and Italian music written for voice. Odd Fall.

MUS 1952C CAH-MUSIC 3(3.0)

MUS 2360C CAH-MUSIC 3(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, and the Internet. Fall, Spring. M&S fee $15.83

MUS 2354 CAH-MUSIC 2(2.0)

MUS 2355 CAH-MUSIC 2(2.0)
German and English Lyric Diction: PR: MUS 1250. Study and applications of the correct sung pronunciation of the German and English languages. Odd Spring.

MUS 3953 CAH-MUSIC 0(1.0)
Recital Performance I: PR: Junior Level Applied Music and C.I. Public recital of 30 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 4320 CAH-MUSIC 3(3.0)
Music Business and Industry: PR: MUS 2360C or C.I. Today’s music industry copyright, publishing, contracts and licensing. Odd Spring.

MUS 4330 CAH-MUSIC 2(1.1)

MUS 4674 CAH-MUSIC 3(3.0)
Health and Wellness for the Performing Musician: PR: MUS 3972 or C.I. Basic musculoskeletal anatomy, posture, common injuries and injury prevention, mental training, performance anxiety, practical performance, and pedagogic applications. Even Spring.

MUS 4900 CAH-MUSIC 3(3.0)
Music BA Capstone Project: PR: C.I. Self-designed project, completed under faculty supervision, that demonstrates ability to think critically and work independently while applying knowledge and skills from music and other subjects. Graded S/U. Occasional.

MUS 4905 CAH-MUSIC 1(4-1-4)
Directed Experience: PR: C.I. and Junior standing. Special topics of study and/or research as determined by student/faculty consultation. May be repeated for credit. Occasional.

MUS 4954 CAH-MUSIC 0(1.0)
Recital Performance II: PR: Senior level applied music and C.I. Public recital of 45 minutes to demonstrate performance skills. Graded S/U. May be used in the degree program a maximum of 2 times. Fall, Spring.

MUS 5365 CAH-MUSIC 3(3.0)
Music and Technology: PR: Graduate status or senior standing, or C.I. The emergence of technology in music including MIDI, CD ROM, and the high-tech music classroom. Occasional.

MUS 5670 CAH-MUSIC 3(3.0)
Wellness for the Performing Musician: PR: Graduate standing in music education or C.I. Various techniques and methods of maintaining physical health and wellness for musicians. Occasional.

MUT 1002 CAH-MUSIC 3(3.0)

MUT 1004 CAH-MUSIC 3(3.0)
Fundamentals of Music II: Basic music theory and reading music at the keyboard. Fall.

MUT 1121 CAH-MUSIC 4(2.3)
Music Theory and Musicianship I: PR: MUT 1004 or C.I. Studies in music theory, both written and aural skills, including musical analysis, model composition, sight singing, ear training, and improvisation. Odd Spring.

MUT 1122 CAH-MUSIC 4(2.3)
Music Theory and Musicianship II: PR: MUT 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 and Spring.

MUT 2126 CAH-MUSIC 4(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 3170 CAH-MUSIC 3(3.0)
Jazz Theory I: PR: MUT 1112 or C.I. Study of theoretical concepts in jazz music, including practical keyboard applications. Even Fall.

MUT 3171 CAH-MUSIC 3(3.0)
Jazz Theory II: PR: MUT 3170. Advanced study of theoretical concepts in jazz music, including practical keyboard applications. Odd Spring.

MUT 3622 CAH-MUSIC 3(3.0)
Analytical Approaches to Musical Rhythm: PR: MUT 2127 or equivalent. Contemporary, cognitive, hypermetric, and projective approaches to musical rhythm in dance, performance, and non-Western music. Occasional.

MUT 3923 CAH-MUSIC 3(3.0)
Jazz Workshop: PR: MUT 3171 or C.I. Jazz improvisation, repertoire, composition and arranging studied in a chamber group context. May be used in the degree program a maximum of 3 times. Odd Spring.

MUT 4031 CAH-MUSIC 1(1.0)
Review of Music Theory: PR: C.I. A comprehensive review of harmonic and analytic skills. May be repeated for credit. Occasional.

MUT 4311 CAH-MUSIC 3(3.0)

MUT 4401 CAH-MUSIC 3(3.0)
Counterpoint: PR: MUT 2127. Counterpoint in Western music from the 16th to the 20th Centuries. Even Spring.

MUT 4571 CAH-MUSIC 3(3.0)
Analysis of Twentieth-Century Music: PR: MUT 2127 and equivalent. Technical and analytical for various styles of twentieth-century music. Odd Fall.

MUT 5316 CAH-MUSIC 3(3.0)
Orchestration: PR: Graduate standing in Music or C.I. Study of the various instruments commonly found in orchestras and wind ensembles and how to write for these instruments in combination. Odd Spring.

MUT 5381 CAH-MUSIC 3(3.0)
Arranging and Composing Music: PR: Satisfactionary placement tests in theory, sight-singing, and ear training, and graduate status or senior standing or C.I. Arranging and composing music for instrumental and vocal ensembles. Some emphasis on compositional techniques of the 20th century. Even Fall.

MUT 5445 CAH-MUSIC 3(3.0)
Counterpoint: PR: Graduate standing in Music or C.I. Principles of counterpoint and the study of contrapuntal styles in Western music from the 16th century to the present day. Even Spring.

MUT 5620 CAH-MUSIC 3(3.0)
Analysis of Twentieth Century Music: PR: Graduate standing in Music or C.I. Analysis of music in a selection of the different styles practiced in the 20th century, with an emphasis on Western art music. Fall.

MUT 5936 CAH-MUSIC 3(3.0)
Music Theory Seminar: PR: Graduate standing in music education or C.I. One or more issues of importance in music theory with emphasis on recent scholarly literature and debates. May be used in the degree program a maximum of 4 times. Occasional.

MWB 1211 CAH-MUSIC 10(1.0)

MWB 1212 CAH-MUSIC 10(1.0)
Secondary French Horn: PR: Consent of Music Chair. CR: Performing ensemble. Advanced instruction in French Horn. Intended for non-music majors. May be repeated for credit. Fall, Spring.
**Piano, for performance majors. May be used in the degree program a maximum of 3 times only when course content is different.**
Fall, Spring; M&S fee $35.00

**Piano IV: MVK 4441 CAH-MUSIC 2(1,0)**
Advanced Performance Study of the Piano IV:
MVK 4441 CAH-MUSIC 2(1,0)
Piano Pedagogy: PR: Graduate standing in Music or C.I. Techniques, methods, and experiences of former and current pedagogues to equip students for current or future piano teaching. Even Spring.

**Piano V: MVK 5451 CAH-MUSIC 2(1,0)**
MVK 5451 CAH-MUSIC 2(1,0)

**Piano Pedagogy:** MVK 5451 CAH-MUSIC 2(1,0)

**Piano Proficiency Exam:** MVK 4960 CAH-MUSIC 0(1,0)
MVK 4960 CAH-MUSIC 0(1,0)
Advanced Secondary Instruction: PR: Graduate status or senior standing, and C.I. Advanced instructional techniques on a secondary instrument or in voice. May be repeated for credit. Occasional.

**Percussion I: MVP 1411 CAH-MUSIC 2(1,0)**
Percussion I: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring; M&S fee $35.00

**Percussion II: MVP 2421 CAH-MUSIC 2(1,0)**
Percussion II: PR: MVP 1411 and competence determined by faculty jury. Continuation of MVP 1411. May be repeated for credit. Fall, Spring; M&S fee $35.00

**Percussion Pedagogy:** MVP 3431 CAH-MUSIC 2-3(1,1)
MVP 3431 CAH-MUSIC 2-3(1,1)
Percussion Pedagogy: PR: MVP 2421 and competence determined by faculty jury. Continuation of study of performance skills of percussion, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring; M&S fee $35.00

**Secondary Bass:** MVS 1414 CAH-MUSIC 2(1,0)
MVS 1414 CAH-MUSIC 2(1,0)
Secondary Bass: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Drum Set:** MVS 1415 CAH-MUSIC 2(1,0)
MVS 1415 CAH-MUSIC 2(1,0)
Secondary Drum Set: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Guitar:** MVS 1416 CAH-MUSIC 2(1,0)
MVS 1416 CAH-MUSIC 2(1,0)
Secondary Guitar: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Harp:** MVS 1417 CAH-MUSIC 2(1,0)
MVS 1417 CAH-MUSIC 2(1,0)
Secondary Harp: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Recorder:** MVS 1418 CAH-MUSIC 2(1,0)
MVS 1418 CAH-MUSIC 2(1,0)

**Secondary Viola:** MVS 1419 CAH-MUSIC 2(1,0)
MVS 1419 CAH-MUSIC 2(1,0)

**Secondary Violin:** MVS 1420 CAH-MUSIC 2(1,0)
MVS 1420 CAH-MUSIC 2(1,0)

**Secondary Violin Pedagogy:** MVS 2421 CAH-MUSIC 2(1,0)
MVS 2421 CAH-MUSIC 2(1,0)
Secondary Violin Pedagogy: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring; M&S fee $35.00

**Secondary Violin Proficiency Exam:** MVS 3432 CAH-MUSIC 2(1,0)
MVS 3432 CAH-MUSIC 2(1,0)
Secondary Violin Proficiency Exam: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Violin Pedagogy:** MVS 2422 CAH-MUSIC 2(1,0)
MVS 2422 CAH-MUSIC 2(1,0)
Secondary Violin Pedagogy: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Bass:** MVS 1423 CAH-MUSIC 2(1,0)
MVS 1423 CAH-MUSIC 2(1,0)
Secondary Bass: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Violin Proficiency Exam:** MVS 3433 CAH-MUSIC 2(1,0)
MVS 3433 CAH-MUSIC 2(1,0)
Secondary Violin Proficiency Exam: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Bass:** MVS 1424 CAH-MUSIC 2(1,0)
MVS 1424 CAH-MUSIC 2(1,0)
Secondary Bass: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.

**Secondary Violin Pedagogy:** MVS 2423 CAH-MUSIC 2(1,0)
MVS 2423 CAH-MUSIC 2(1,0)
Secondary Violin Pedagogy: PR: Major in music or consent of chair; audition. May be repeated for credit. Fall, Spring.
### UCF Courses and Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Department</th>
<th>Title</th>
<th>Prerequisites</th>
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</thead>
<tbody>
<tr>
<td>MVW 3436</td>
<td>CAH-MUSIC</td>
<td>Guitar IV</td>
<td>PR: MVW 3436 and competence determined by faculty jury. Intensive advanced performance study of the guitar, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 4441</td>
<td>CAH-MUSIC</td>
<td>Voice IV</td>
<td>PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the voice, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 4460</td>
<td>CAH-MUSIC</td>
<td>Voice Pedagogy</td>
<td>PR: C.I. Vocal function, anatomy, and pedagogical methodology as applied to the voice teacher and performer. Odd Spring.</td>
</tr>
<tr>
<td>MVW 4461</td>
<td>CAH-MUSIC</td>
<td>Voice Pedagogy</td>
<td>PR: C.I. Continuation of MVW 4460. Intermediate to advanced levels. May be repeated for credit. Odd Spring.</td>
</tr>
<tr>
<td>MVW 5451</td>
<td>CAH-MUSIC</td>
<td>Voice V</td>
<td>PR: Graduate standing or senior standing and C.I. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 5452</td>
<td>CAH-MUSIC</td>
<td>Bass V</td>
<td>PR: MVW 3436 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 5453</td>
<td>CAH-MUSIC</td>
<td>Harp V</td>
<td>PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the harp, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 5454</td>
<td>CAH-MUSIC</td>
<td>Saxophone II</td>
<td>PR: MVW 1415 and competence determined by faculty jury. Continued study of performance skills of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 5455</td>
<td>CAH-MUSIC</td>
<td>Flute II</td>
<td>PR: MVW 1412 and competence determined by faculty jury. Continuation of MVW 1412. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 2423</td>
<td>CAH-MUSIC</td>
<td>Clarinet II</td>
<td>PR: MVW 1413 and competence determined by faculty jury. Continuation of MVW 1413. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 2424</td>
<td>CAH-MUSIC</td>
<td>Bassoon II</td>
<td>PR: MVW 1414 and competence determined by faculty jury. Continuation of MVW 1414. May be repeated for credit. Fall, Spring. M&amp;S fee $20.00</td>
</tr>
<tr>
<td>MVW 2425</td>
<td>CAH-MUSIC</td>
<td>Saxophone II</td>
<td>PR: MVW 1415 and competence determined by faculty jury. Continuation of MVW 1415. May be repeated for credit. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 3431</td>
<td>CAH-MUSIC</td>
<td>Flute III</td>
<td>PR: MVW 2421 and competence determined by faculty jury. Continued study of performance skills of the flute, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 3432</td>
<td>CAH-MUSIC</td>
<td>Oboe III</td>
<td>PR: MVW 2422 and competence determined by faculty jury. Continued study of performance skills of the oboe, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 3433</td>
<td>CAH-MUSIC</td>
<td>Clarinet III</td>
<td>PR: MVW 2423 and competence determined by faculty jury. Continued study of performance skills of the clarinet, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 3434</td>
<td>CAH-MUSIC</td>
<td>Bassoon III</td>
<td>PR: MVW 2424 and competence determined by faculty jury. Continued study of performance skills of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 3435</td>
<td>CAH-MUSIC</td>
<td>Saxophone III</td>
<td>PR: MVW 2425 and competence determined by faculty jury. Continued study of performance skills of the saxophone, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 4441</td>
<td>CAH-MUSIC</td>
<td>Flute V</td>
<td>PR: MVW 3431 and competence determined by faculty jury. Intensive advanced performance study of the flute, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 4442</td>
<td>CAH-MUSIC</td>
<td>Oboe V</td>
<td>PR: MVW 3432 and competence determined by faculty jury. Continued performance study of the oboe, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 4443</td>
<td>CAH-MUSIC</td>
<td>Clarinet V</td>
<td>PR: MVW 3433 and competence determined by faculty jury. Performance study of the clarinet, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 4444</td>
<td>CAH-MUSIC</td>
<td>Bassoon V</td>
<td>PR: MVW 3434 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 4445</td>
<td>CAH-MUSIC</td>
<td>Saxophone IV</td>
<td>PR: MVW 3435 and competence determined by faculty jury. Intensive advanced performance study of the saxophone, for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
<tr>
<td>MVW 5451</td>
<td>CAH-MUSIC</td>
<td>Bassoon IV</td>
<td>PR: MVW 3436 and competence determined by faculty jury. Intensive advanced performance study of the bassoon, with additional intensive work expected for performance majors. May be used in the degree program a maximum of 3 times. Fall, Spring.</td>
</tr>
</tbody>
</table>
NUR 3028 CON-NURS 2(2,0) Essentials of Nursing Practice: PR: Admission to BSN program. CR: NUR 3065 and NUR 3065L. Apply nursing process and core scientific principles to technical psychomotor nursing skills. Integrate evidence-based principles and nursing process to clients in long-term care. Fall.

NUR 3028L ESSENTIALS OF NURSING PRACTICE LAB: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3864 and NUR 3864L. Lab to learn core scientific and evidence-based principles as they relate to technical psychomotor nursing skills. Graded S/U. Fall. M&S fee $45.00.

NUR 3065 CON-NURS 2(2,0) Health Assessment: PR: or CR: NUR 3065L, and admission to the School of Nursing or C.I. Concepts of health assessment of clients. Fall, Spring.

NUR 3065L CON-NURS 1(0,1) Health Assessment: PR: and admission to the School of Nursing or C.I. Application of concepts and techniques of health assessment of clients. Fall, Spring. M&S fee $15.00.

NUR 3125 CON-NURS 3(3,0) Pathophysiology for Nursing Practice: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum. CR: Concurrent enrollment in NUR 3225: NUR 3225L; NUR 3145; NUR 3445; NUR 3445L. Concepts of pathophysiology underlying conditions in 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 semester in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3125; NUR 3445; NUR 3445L. Principles of pharmacology and application to nursing practice. Fall.

NUR 3165 CON-NURS 3(3,0) Nursing Research: PR: Admission to the BSN program; STA 204AC or 2023, for Basic program students; successful completion of the first semester; RN to BSN students: NUR 3805 and RN status; C.I. Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting nursing research for nursing practice. Fall, Spring.

NUR 3165H CON-NURS 3(3,0) Nursing Research: PR: Permission of honors; admission to nursing and completion of previous nursing courses; STA 204AC or 2023, co-requisites per the plan of study or the Nursing research as a basis for nursing practice. Selected experiences in reviewing, analyzing, and interpreting research for nursing practice. With Honors content. Occasional.

NUR 3167 CON-NURS 1(2,0) Accelerated Nursing Research Seminar: PR: Admission to Accelerated BSN Option; permission to enroll in a graduate or graduate research course with approval from the CON. Accelerated study of systematic approaches to problematic situations in nursing. Selected experiences in investigating, analyzing, and interpreting research and nursing issues. Spring.

NUR 3225 CON-NURS 3(3,0) Nursing Care of the Adult I: PR: Admission to BSN program, successful completion of the first semester in the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3445; NUR 3445L. Integrate biopsychosocial models of nursing practice for individuals and families experiencing health risks, short-term illness or chronic health problems. Fall.

NUR 3225L CON-NURS 2(0,6) Nursing Care of the Adult I: Clinical Practice: PR: Admission to BSN program; successful completion of all courses in the first semester of the nursing curriculum, and concurrent enrollment in NUR 3225L; NUR 3125; NUR 3445; NUR 3445L. Clinical experience applying biopsychosocial models of nursing practice for clients experiencing health risks, short-term illness or chronic health problems. Graded S/U. Fall. M&S fee $45.00.
NUR 3445 CON-NURS 3(3,0)
Nursing Care of Families: PR: Admission to BSN program, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 3225; NUR 3225L; NUR 3325; NUR 3325L; NUR 3345L. Concepts of family nursing as they relate to health promotion, maintenance, and illness management needs of 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 3325; NUR 3345. 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 3752L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3825L. Concepts of community health nursing focusing on community as client and levels of prevention across the lifespan. Fall.

NUR 3634L CON-NURS 2(0,6)
Community Health Nursing Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3285L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3825L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Graded S/U. Fall. M&S fee $45.00

NUR 3755L CON-NURS 2(0,6)
Essentials of Nursing Practice Clinical: PR: Admission to BSN program. CR: NUR 3028 and NUR 3028L; NUR 3065 and NUR 3065L; NUR 3825; NUR 3825L. Application of the nursing process, scientific and evidence-based principles in the nursing care of clients in long-term care. Fall.

NUR 3795 CON-NURS 3(3,0)

NUR 3805 CON-NURS 3(3,0)
Dimensions of Professional Nursing Practice: PR: Nursing major/junior level or C.I.; ENC 1103. Basic knowledge and skills for basic professional nursing practice for RN to BSN students. Fall, Spring.

NUR 3806 CON-NURS 1(1,0)

NUR 3825 CON-NURS 2(2,0)
The Role of the Professional Nurse: PR: Admission to the school of Nursing. Examination of the role and function of the professional nurse, including professional standards, legal and practice issues. Fall, Spring.

NUR 3825H CON-NURS 2(2,0)
The Role of the Professional Nurse Honors: PR: Admission to BSN program. Role and function of the professional nurse, including professional standards, legal, and practice issues with honors content. Fall.

NUR 3826H CON-NURS 3(3,0)

NUR 3936 CON-NURS 3(2,2)
International Perspectives of Nursing and Health Care: PR: Enrolled in School of Nursing or C.I. Comparative analysis of professional nursing practice and health care 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 4197 CON-NURS 3(3,0)
Genetics and Genomics in Nursing Practice: PR: NUR 3125, RN Licensure, or C.I. The application of genetics and genomic principles to clinical nursing practice. Occasional.

NUR 4227 CON-NURS 4(4,0)
Nursing Care of the Adult II: PR: Admission to the BSN program, CR: successful completion of the first two semesters in the nursing curriculum, NUR 4227L; NUR 4325; NUR 4325L; or C.I. Nursing care of clients and their families experiencing acute, unstable, or life-threatening health problems. Spring.

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 4325; NUR 4355L; or C.I. Clinical practice in acute health care settings with clients experiencing acute, unstable, surgical, or life-threatening health conditions. Graded S/U. Spring.

NUR 4257 CON-NURS 3(3,0)
Introduction to Critical Care Nursing: PR: RN status or C.I. Theories and principles of comprehensive nursing care of individuals and families in critical care settings. Spring.

NUR 4268 CON-NURS 3(3,0)
Gerontologic Nursing: PR: NUR 4268 or RN Licensure or C.I. Theories and principles related to the promotion, prevention, and restoration of health in older adults in various settings. Occasional.

NUR 4493 CON-NURS 3(3,0)
Psychiatric Mental Health Nursing: PR: Admission to the NCLEX-RN exam, successful completion of the first three semesters in the nursing curriculum, and concurrent enrollment in NUR 4227; NUR 4227L; NUR 4325L. Nursing interventions for mental health and the prevention, treatment and rehabilitation of mental illness. Spring, Fall.

NUR 4493L 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 4325; NUR 4227L. Clinical Application of Nursing interventions in the promotion of mental health and the prevention, treatment and rehabilitation of mental illness. Graded S/U. Fall, Spring.

NUR 4604L CON-NURS 4(0,12)
Practicum in Community and Public Health Nursing for RNs: PR: NUR 3364; CR: NUR 4387, NUR 4621, 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 4637 and NUR 4627. Concepts of public health nursing focusing on population-based health care delivery systems. Fall, Spring.

NUR 4637L CON-NURS 1(0,3)
Public Health Nursing Clinical: PR: Admission to the BSN program; successful completion of the first four semesters in the nursing curriculum, and concurrent enrollment in NUR 4495L; NUR 4637, NUR 4627. Clinical Course to apply concepts of public health nursing. Students will complete finding of community assignment 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 4676 CON-NURS 3(3,0)
Principles of Pain Management: PR: Admission to the Nursing Program, RN License, or C.I. Occasional.

NUR 4765 CON-NURS 3(3,0)
Rehabilitation Nursing: Principles and Practice: PR: Admission to the nursing program, or RN license, or C.I. Rehabilitation principles are the practices that may be incorporated into any healthcare setting and applied to clients of all age groups. Occasional.

NUR 4828 CON-NURS 3(3,0)
Leadership and Management: PR: NUR 3065, RN Status or C.I. Scientific theories and principles of leadership and management and their role in leadership, management, and teaching roles in professional nursing. Application of decision-making process. Fall, Spring.

NUR 4828H CON-NURS 3(3,0)
Honors Leadership and Management Transition: PR: Admission to the BSN program; admission to the Honors or Honors in the major program or C.I. Application of leadership and management principles to the beginning role of the professional nurse with honors content. Spring.

NUR 4829 CON-NURS 3(3,0)
Accelerated Transitioning into Professional Practice as a Leader: PR: or CR: NUR 4945L or C.I. Application of leadership and management principles to the beginning role of the professional nurse. Occasional.

NUR 4837 CON-NURS 3(3,0)
Health Care Issues, Policy, and Economics: PR: Completion of all Jr. level and Sr. level Fall courses or C.I. 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 core course work; or C.I. Study of selected health care policy issues relevant to the financing, organization, and delivery of nursing services to populations in the community with honors content. Occasional.

NUR 4906 CON-NURS 3(3,0)
Variable Independent Study: Directed Study, Graded S/U or Letter grade. May be repeated for credit. Occasional.

NUR 4907H CON-NURS 3(3,0)
Directed Research/Research-Honors: PR: Permission of Honors and 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/Minor Level, or C.I. Identify and critically analyze structural and socio-cultural factors that influence the health of minorities and special populations. Occasional.
NUR 4942L CON-NURS 3(0.3) 
Nursing Practicum for International Students: PR: C.I. Analysis of the standing of international students. Graduated S.U. May be used in the degree program a maximum of 2 times. Occasional.

NUR 4945L CON-NURS 4(0.4) 
Nursing Practicum: PR: Admission to the BSN program, STA 2014C or 2023. For Basic program successful completion of the first three semesters; for RN to BSN students: NUR 3805 and RN status or C.I. Designed to enhance student's knowledge and expertise in an area of nursing practice chosen by the student and school of nursing faculty. Graduated S.U. Spring.

NUR 4971H CON-NURS 1-3(1.0) 
Thesis or Project Works-Honors: PR: Permission of Honors. Faculty mentoring through the process of writing and defending the Honors Thesis or Project. May be taken the second time for 1-3 credit hours. May be used in the degree program a maximum of 2 times. Occasional.

OCE 3008 COS-BIOL 3(3.0) 

OCE 3490 OPT-OPT 3(3.0) 
Nanophotonics: PR: PHY 2049C or C.I. Optical/photonic processes at 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 rays, waves, fields, and photons. Introduction to optical devices, fibers, and lasers. Applications in imaging, signal processing, sensing, communications, and displays. Fall.

OCE 4470 OPT-OPT 3(3.0) 
Optical Fiber Communication Systems: PR: EEE 3350 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) 

OCE 5041 OPT-OPT 3(3.0) 
Introduction to Wave Optics: PR: EEL 4440 or PHY 4442 or C.I. Electronic foundation of light waves as applied to reflection, diffraction, interference, polarization, coherence, and guided waves. Occasional.

OCE 5203 OPT-OPT 3(3.0) 

OCE 5312 OPT-OPT 3(3.0) 
Light Matter Interaction: PR: Graduate standing or C.I. Microscopic theory of absorption, dispersion, and refraction 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 5414 OPT-OPT 3(3.0) 
Fundamentals of Optoelectronic Devices: PR: Graduate standing or C.I. Operation, methods of fabrication, applications, and limitations of various optoelectronic devices and their quantum well semiconductor devices. Fall.

OCE 5650C OPT-OPT 3(2.1) 
Thin Film Optics: PR: PHY 4424 or EEL 4440 or OCE 5041 or OCE 5650C. 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 administrative practice. Development of values, skills, and value framework to act ethically. Occasional.

PAD 3330 HPA-PUB 3(3.0) 
Urban and Regional Planning: PR: PAD 3003 or C.I. Planning topics such as land-use, and comprehensive and urban planning as they relate to the physical aspects of the natural and human environment. Fall, Spring.

PAD 3733 HPA-PUB 3(3.0) 
Professional Administrative Writing in the Public Sector: PR: ENC 1102 or C.I. Professional and technical writing for the field of public administration. Fall, Spring.

PAD 3930 HPA-HPA 1(1.0) 
American Humanities - Human Service Workshop: PR: Enrollment in American Humanities Minor or National Certificate Program through American Humanities Program office. Discussion and activity based course exploring nonprofit topics to prepare students for management and leadership positions in human services. Student Association activities included. May be repeated for credit. Fall, Spring.

PAD 4034 HPA-PUB 3(3.0) 
The Administration of Public Policy: PR: ECO 2023. Problems of values, interests, and objectives and their impact on the administration of public programs, stressing the interplay between social values, policies and administration. Fall, Spring.

PAD 4104 HPA-PUB 3(3.0) 
Administrative Theory: A review of the behavioral aspects of the administrative process, its impact on organizational goal achievement and on supervisory strategies. Some social and structural pathologies affecting administrative practice. Fall, Spring.

PAD 4110 HPA-PUB 3(3.0) 
Intergovernmental Administration: Various approaches to studying and explaining the American Intergovernmental system. Emphasis on interorganizational activities, i.e., negotiation, cooperation, and coordination within the legal setting. Fall.

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 C.I. The operations of non profit organizations, including working with board of directors, volunteer services, fund-raising and grantmanship, financial management and marketing. Fall, Spring.

PAD 4147 HPA-PUB 3(3.0) 
Resource Development in the Nonprofit Sector: PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of the development and management of human resources and financial resource development in nonprofit organizations is discussed. Fall.

PAD 4148 HPA-PUB 3(3.0) 
Volunteer Management: PR: Junior status and have declared Nonprofit Minor or Certificate or C.I. Examination of recruitment, selection, training and management of volunteers in nonprofit organizations and the application of management theory. Spring.

PAD 4153 HPA-PUB 3(3.0) 
Planning and Improvement for Pub Org: Prepare future leaders for the changing paradigms of the public sector by providing education in a variety of quality related areas. Fall.
UCF Courses and Descriptions

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 planners 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 36-6(0) Public Administration Internship: PR: C.I. Internship in municipal, county, state, or federal government, including assignments in such fields as personnel, planning, budget, and fiscal, procurement, and public safety. Graded S/U. Occasional.

PAD 4948 HPA-PUB 3(0,3) American Humannics Internship: PR: Enrollment in American Humannics AH Certification Program, completion of AH restricted electives and approval of AH Campus Director. Supervised internship to demonstrate AH identified competencies for students in American Humannics certificate 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 and present, and the ethical 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) Volunteerism in Nonprofit Management: PR: Admission to Master of Nonprofit Management degree. Nonprofit certificate or C.I. Volunteer development in nonprofit organizations, including board selection, development and leadership, volunteer 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, regional development, land use 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 national and local aspects of the legal underpinnings of urban planning aspects such as zoning, growth management, and environmental regulation. Spring.

PAD 5356 HPA-PUB 3(3,0) Managing Community and Economic Development: PR: Graduate standing or C.I. Overview of economic development activities focusing on policy and managerial issues at the local level. Spring.

PAD 5425 HPA-PUB 3(3,0) Dispute Resolution in the Public Sector: An examination of the skills needed to resolve disputes in the public sector through facilitation, mediation, and other alternative methods. Occasional.

PAD 5427 HPA-PUB 3(3,0) Labor Relations in the Public Sector: Current trends and developments in employment relations in the public sector, especially employee organization, negotiations, and the collective bargaining process. Occasional.

PAD 5807 HPA-PUB 3(3,0) Local Government Operations: Operational Functions of municipal and county governments and the role of the chief executive officer. Occasional.

PAD 5850 HPA-PUB 3(3,0) Grant and Contract Management: PR: Admission to the Master of Nonprofit Management degree. Nonprofit certificate or C.I. Study of government or public nonprofit agency grant and contract administration and management resulting in funding assistance solicitations and grant and contract preparation, evaluation, and presentation. Fall, Spring.

PFA 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.


PFA 4754 HPA-HPA-FF 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.

PZ 4234 COS-BIOL 3(3,0) Zoo and Aquarium Management: PR: PCB 3304, and PCB 3063 or C.I. Conservation, propagation and exhibition of wild animals in captivity. Occasional.

PZ 5235H COS-BIOL 3(3,0) Honors Zoology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or 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 2210, and PCB 3063, or C.I. Structure and function of eukaryotic cells including bioenergetics, protein structure and function, chromosome structure, DNA repair and recombination, membrane structure and transport, intracellular vesicle trafficking, cell signaling, apoptosis and cell cycle control and organization of functions of the cytoskeleton and extracellular matrix. Fall, 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 3(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) Honors Genetics: PR: BSC 2010C and CHM 2046, or C.I. and consent of Honors. Basic principles of heredity as applied to prokaryotes and eukaryotes with honors content. Occasional.

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 3323 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 3323L COM-M&M 3(0,3) Introduction to Immunology: CR: PCB 3233. Introduction to laboratory techniques in immunology. Fall, Spring. M&S fee $45.00


PCB 3355C 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 3522 COM-M&M 3(3,0) Molecular Biology I: PR: CHM 2211 and MCB 3202 or C.I. The general principles governing the structure and function of both prokaryotic and eucaryotic 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 organs of the human body. Fall, Spring. M&S fee $70.00


PCB 4028 COM-M&M 3(3,0) Molecular and Cellular Pharmacology: PR: PCB 3622. The cellular and molecular events that lead to disease states and the molecular basis of agents that modulate these processes will be covered. Spring.

UCF Courses and Descriptions

PEL 2011 ED-CFCS 2(1,1) Basic Volleyball and Softball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $5.00

PEL 2111 ED-CFCS 2(1,1) Bowling: Fundamentals of bowling techniques and the development of skills based on those fundamentals. Occasional.

PEL 2112 ED-CFCS 2(1,1) Intermediate Bowling: PR: PEL 2111, bowling experience, or average of 140 verification by league sheet. This course provides in-depth information that is necessary for the development of high bowling averages. Occasional.

PEL 2121 ED-CFCS 2(1,1) Beginning Golf: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Fall, Spring. M&S fee $6.00

PEL 2122 ED-CFCS 2(1,1) Intermediate Golf: PR: PEL 2121 or equivalent competency. A study of performance and application of intermediate skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2341 ED-CFCS 2(1,1) Beginning Tennis: Performance and application of basic skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional. M&S fee $3.00

PEL 2342 ED-CFCS 2(1,1) Intermediate Tennis: PR: PEL 2341 or equivalent competency. Performance and application of advanced skills, rules, and etiquette. Physiological and social values accruing from this lifetime sport. Occasional.

PEL 2640 ED-CFCS 2(1,1) Basic Football and Basketball: The analysis of offensive and defensive alignment, techniques, and strategies. Occasional. M&S fee $6.00

PEM 2101 ED-CFCS 2(1,1) Body Development: An in-depth study of individual physical (musculo-skeletal, neuromuscular, cardiovascular) fitness. Emphasis on individual diagnosis, principles, procedures, and conduct of related exercise programs. Fall, Even Spring.

PEM 2104 ED-CFCS 3(2,1) Personal Fitness: Study of personal fitness concepts, with opportunities to develop an individual, optimal level of fitness and an improved lifestyle through high-level wellness. Fall, Spring.

PEM 2121C ED-CFCS 3(1,3) Yoga: Performance and application of a series of basic movements, breathing, and concentration techniques designed to enhance body awareness, flexibility, strength, and balance, and to allow the mind to be focused and centered. Fall, Spring. M&S fee $3.00

PEM 2127C ED-CFCS 2(1,1) Pilates: The Pilates method of body conditioning emphasizing core musculature as it applies to everyday movement. Occasional. M&S fee $3.00

PEM 2131 ED-CFCS 2(1,1) Strength Resistance Training: Study of fitness and strength development through resistance exercise. Fall, Spring. M&S fee $5.00

PEM 2134C ED-CFCS 2(1,1) Adventure Recreation: Options for adventure recreation including: outdoor living skills, canoeing, kayaking, rock climbing, hiking and backpacking. Occasional. M&S fee $3.00

PEM 2171 ED-CFCS 2(1,1) Aerobics: Appropriate rhythmic muscle toning movements that develop aerobic fitness; concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2173 ED-CFCS 2(1,1) Step Aerobics: Appropriate rhythmic muscle toning movements utilizing the step to develop aerobic fitness. Concepts taught include warm-up, flexibility, work-out, and cool-down. Occasional.

PEM 2175 ED-CFCS 2(1,1) Country/Western Dance: Basic instruction in Country/Western Dance. Improve aerobic fitness by learning line dances, circle dances and basic partner steps, such as two-step and waltz. Occasional.

PEM 2176C ED-CFCS 2(1,1) Cardio Kickboxing: Proper technique and fundamentals of cardio kickboxing. Occasional. M&S fee $6.00

PEM 2179C ED-CFCS 2(1,1) Boot Camp Fitness: Study and application of aerobic and anaerobic physical fitness activities to improve core strength, posture, breath control, body alignment and flexibility. Occasional.

PEM 2405 ED-CFCS 3(1,2) Self Defense for Women and Men: Designed to provide students with self defense skills. Fall, Spring.

PEM 2443 ED-CFCS 2(1,2) Tae Kwon Do: An analysis and application of the martial arts as an overall physical and mental training system. Occasional.

PEM 5408C ED-CFCS 3(2,1) Controlling Classroom Violence: PR: Graduate standing; certified teacher. A hands-on course dealing with controlling disruption and violence as well as how teachers can protect themselves. Occasional.

PET 3510C ED-CFCS 3(2,1) Team Sports: This course is designed to develop skill proficiency and knowledge to plan, implement and evaluate team sports as part of the Physical Education program. Fall, Spring. M&S fee $5.00

PET 2031 ED-CFCS 3(2,1) Individual Sports: Skill proficiency and knowledge to plan, implement and evaluate individual sports. Fall, Spring. M&S fee $9.00

PET 2623C ED-CFCS 2(1,1) Officiating Basketball: Skills, knowledge, and practical experience required to become an official in the sport of basketball. Occasional. M&S fee $6.00

PET 2624 ED-CFCS 3(2,1) Coaching Basketball: Theory and methods of coaching basketball, including the analysis of offensive and defensive techniques and strategies. Fall.

PET 3219 ED-CFCS 3(2,0) Coaching Baseball and Softball: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching baseball and softball, including the analysis of offensive and defensive techniques and strategies. Fall.

PET 3324 ED-CFCS 3(2,1) Coaching Volleyball: Theory and methods of coaching volleyball, including the analysis of offensive and defensive alignment techniques and strategies. Spring.

PET 3514C ED-CFCS 3(2,1) Coaching Soccer: PR: Admission to Sport and Fitness program/minors or C.I. Theory and methods of coaching soccer, including the analysis of offensive and defensive techniques and strategies. Occasional.


PET 3205 ED-CFCS 3(2,1) Gymnastics: This course is designed to develop skill proficiency and instructional strategies in gymnastics. Occasional.

PET 2081 ED-CFCS 1(1,0) Wellness, Children and Schools: Exploration and promotion of wellness for children in schools. Fall, Spring.

PET 2084 ED-CFCS 3(3,0) Introduction to Sport and Exercise Science: PR: Admission to Sport and Exercise Science program. An introduction to sport and exercise science with emphasis in fitness, recreation, physical activity, and human performance. Fall, Spring.

PET 3097 ED-CFCS 3(3,0) Health and Wellness: PR: Admission into the Sport and Exercise Science program. Explore wellness through scientific and practical curricular methods designed to meet the needs of health and wellness. Fall, Spring.

PET 3125 ED-CFCS 3(3,0) Fitness and Weight Management: PR: Admission to Sport and Fitness program, ZOO 3736C. PET 4215, PET 4550C (all required); or C.I. Provides current and future professionals with the requisite knowledge of fitness and weight management research, theories, and practices. Fall, Spring.

PET 3137 ED-CFCS 3(3,0) Coaching and Practices in Sport and Exercise Science: PR: Admission to the Sport and Exercise Science program or C.I. Examination of experiences in Sport and Exercise Science program: concepts, practices, and science. Fall, Spring.


PET 3361 ED-CFCS 3(3,0) Nutrition and Metabolism in Sport and Exercise Science: PR: PET 2084, BSC 2010C. Study of nutrition with focus on the strategies designed to meet nutrient demands for physical activity, exercise, metabolism, and athletic performance in sport and exercise sciences. Fall, Spring.

PET 3510C HPA-HP 3(2,1) Physiologic & Metabolic Basis of Human Movement & Performance: PR: Admission to Health Sciences - Athletic Training Track. Exercise physiology, dogs & nutrition, and performance & injury; each focusing on the key elements for the application of athletic training principles. Fall.

PET 3740C ED-CFCS 2(1,1) Teaching Physical Education in the Secondary and Middle School (6-12): PR: Admission to Junior Block, or C.I. Curricular and instructional considerations for teaching secondary and middle school physical education. Occasional.

PET 3765 ED-CFCS 3(3,0) Coaching Theory: PR: Admitted to COE or C.I. Theories of coaching team and individual sports. Fall, Spring.

PET 3768 ED-CFCS 3(3,0) Group Exercise Instruction: PR: Admission to Sport and Fitness program, ZOO 3736C, PET 4550C. PR 4312C (all required); or C.I. An in-depth study into group exercise instruction and fitness related concepts. Fall, Spring.

PET 3771 ED-CFCS 3(3,0) Strength and Conditioning Concepts: PR: PET 2084. Integration of advanced components of muscular strength training and endurance conditioning for the sport and exercise professional. Fall, Spring.

PET 3820 ED-CFCS 3(2,1) Teaching Sports Skills I: PR: PEO 2011 or PEO 2031. Skill proficiency and knowledge to plan, implement and evaluate skills and leisure activities in physical education programs. Occasional.
Adapted Physical Education: Principles and methods of adaptation to physical education for exceptional children and adults; mainstreaming rationale and methods analyzed. Spring.

Methods for Physical Activity for Children and Adolescents: PR: Admission to the College of Education and/or Sport and Fitness program, or C.I. Develop effective instructional skills through planning, teaching, and assessment. Curricular and instructional considerations for physical activity for children and adolescents. Fall, Spring.

Development and History of Physical Education Curriculum: A study of the factors involved in curriculum development and historical and philosophical considerations of physical education programs. Occasional.

Coaching Methods And Principles: PR: Junior standing. Coaching minor or C.I. Assist students in understanding and conceptually integrating teaching methods and coaching strategies with emphasis given to conditioning and leadership styles. Occasional.

Teaching Sports Skills II: PR: PET 3820. Skill proficiency and knowledge to plan, implement and evaluate sports skills. Odd Fall, Even Spring.

Sport and Fitness Practicum I: PR: Overall GPA of 2.5 and completion of 1/3 of the Sport and Fitness program or certificate program. Will provide educators an opportunity to practically integrate mental and physical performance, mental strategies; funding opportunities; professional development; and professional presentation. Occasional.

Internship III: PR: Must have completed course work in specialization. Full time student teaching under a certified elementary or secondary physical education teacher. Graded S/U. Fall, Spring.


Activity exploration of techniques to enhance athlete performance. Fall, Spring.


Motivational Aspects of Athletic Performance: PR: Coaching minor or C.I. Theories of attitude, motivation, effort, persistence, mental focus, visualization, and an exploration of techniques to enhance athlete performance. Fall, Spring.

Personal Training Methods: PR: PET 2084, BSC 2010C, and either PGY 2215 or C.I. A study and application of anatomical and physiological principles involved in human movement. Fall, Spring.

Research and development of sport and fitness programs focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

Research and development of sport and fitness programs focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

Advanced Editorial Photography: PR: PGY 3821C or C.I. Exploration of imagery created to illustrate articles, including visual style will be addressed. 35 MM SLR camera with manual mode required. Fall, Spring. M&S fee $45.00

Critical Issues: Ethics in Coaching and Sport: PR: Graduate standing or C.I. Assist students to understand and conceptually integrate teaching methods and coaching strategies with emphasis given to conditioning and leadership styles. Occasional.


Creative and Visual Expression: PR: Senior 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.


Research and development of sport and fitness programs focusing on the acquisition and display of photographic materials and curatorial functions. The course includes a service learning component. Occasional.

Investigation of imagery created to illustrate articles, including visual style will be addressed. 35 MM SLR camera with manual mode required. Fall, Spring. M&S fee $45.00

The Professional Environment: PR: C.I. Advanced lighting techniques in both the studio and on location, with projects in the editorial, advertising, or fine art genres. Occasional. M&S fee $45.00

Market and Design: PR: PGY 3821C or C.I. Creation of video output solutions for the photographer such as web professional output solutions for the photographer such as web
PHI 3510 CAH-PHIL 3(3,0)

Marx and Nietzsche: PR: Junior standing. The philosophies of Marx and Nietzsche, important differences in outlook and emphasis, the significance of their respective critiques of society, the implications of their contrasting standpoints for understanding human life, the philosophical and ideological influences of their work, and their contemporaneity. Occasional.

PHH 3600 CAH-PHIL 3(3,0)

Contemporary Philosophy: PR: PHI 2010 or C.I. Recent and current trends in philosophy, including philosophical analysis, Nietzschean, structuralist, post-structuralism, and liberation philosophies. Occasional.

PHH 3700 CAH-PHIL 3(3,0)

American Philosophy: PR: PHI 2010 or AMH 2010 or AMH 2020 or C.I. A thematic and chronological survey of philosophical, religious, and scientific developments in American thought, with primary focus on the American spirit of individualism and reform. Even Spring.

PHH 3701 CAH-PHIL 3(3,0)

Native American Philosophy: PR: PHI 2010 or C.I. Academic Native American philosophy in epistemology, political philosophy and environmental studies. Even Fall.

PHI 2010 CAH-PHIL 3(3,0)

Introduction to Philosophy: PR: C.I. Inquiry into the meaning and justification of human belief and desire; reasoning, knowledge, and values; application to relevant topics in ethics, religion, and politics. Fall, Spring.

PHI 2010H CAH-PHIL 3(3,0)

Honors Introduction to Philosophy: PR: Permission of Honors. Same as PHI 2010 with honors-level content. Fall.

PHI 2011 CAH-PHIL 3(3,0)

Philosophical Reasoning: A study of reasoning in philosophy; the role of inconsistency, invalid arguments, modeling, and system building, discovery procedures, diagonalization, and contract and paradigm case arguments. Occasional.

PHI 2011H CAH-PHIL 3(3,0)

Honors Philosophical Reasoning: PR: Permission of Honors. Same as PHI 2011 with honors-level content. Fall.

PHI 2018 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 criticisms, and emphasis on recent formulations in ethical theory. Occasional.

PHI 2647 CAH-PHIL 3(3,0)

Logic and Ethics: PR: PHI 2101 or COT 3100C or MAD 2104. Research in logic applied to ethics, especially for science and technology. Uses of simulation and modeling to study philosophical problems in ethics. Occasional.

PHI 3033 CAH-PHIL 3(3,0)

Philosophy, Religion, and the Environment: PR: Junior standing or C.I. A multicultural treatment of the influence of philosophical and religious views on our understanding of, and relation to, the environment. Occasional.

PHI 3083 CAH-PHIL 3(3,0)

Research Methods in Philosophy: PR: Philosophy or Humanities major or C.I. Sources, methods, and styles of research in Philosophy. Aimed at enhancing the research, reading, and writing skills of undergraduate philosophy students. Odd Fall.

PHI 3131 CAH-PHIL 3(3,0)

Formal Logic II: PR: PHI 2101. Systematic study of propositional and first-order predicate logic; logical systems and axiomatic methods; problems of metaphysics, including consistency, completeness, and decidability. Occasional.

PHI 3320 CAH-PHIL 3(3,0)

Philosophy of Mind: PR: PHI 2010, PSY 2012, or C.I. Recent and contemporary attempts to understand the relation of mind to body, the relation of consciousness to personality, and the relation of psychology to neurobiology. Occasional.

PHI 3323 CAH-PHIL 3(3,0)


PHI 3451 CAH-PHIL 3(3,0)

Philosophy of Psychology: PR: Junior standing or C.I. Philosophical assumptions and foundations of major psychological movements plus other philosophically interesting issues. Occasional.

PHI 3601 CAH-PHIL 3(1,0)

Practical Wisdom: PR: Junior standing or PHI 2010 or C.I. Course in applied ethics which focuses on the human good, dealing with the relationship between means and ends and how they define one another. Occasional.

PHI 3625 CAH-PHIL 3(3,0)

Virtual Ethics: PR: COP 3520C or DIG 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3626 CAH-PHIL 3(3,0)

Advanced Ethics in Science and Technology: PR: COP 3520C or DGD 2000 or PHI 2647. Critical thinking applied to ethics in science and technology. Fall, Spring.

PHI 3638 CAH-PHIL 3(3,0)


PHI 3640 CAH-PHIL 3(3,0)

Environmental Ethics: PR: Junior standing. Major contemporary views in environmental ethics, including individual and holistic approaches, deep ecology, ecofeminism, and social ecology. Occasional.

PHI 3648 CAH-PHIL 3(3,0)

Ethical Implications of the Human Genome Project: PR: BSC 2100C and either PHI 2010 or PHI 2670. Ethical issues surrounding the Human Genome Project, including genetic testing, genetic therapies, genetic enhancement, forensics, data banking, and genetic patenting. Occasional.

PHI 3670 CAH-PHIL 3(3,0)

Ethical Theory: PR: Junior standing and C.I. Major classical and contemporary ethics, including ethical theory, utilitarian, deontological, virtue-based and feminist approaches to ethics, rights, and justice; some examination of metaethical issues. Even Spring.

PHI 3672 CAH-PHIL 3(3,0)

Animal Ethics: PR: PHI 2010 or C.I. Key issues and debates in the area of animal ethics, including both theoretical and applied dimensions. Occasional.

PHI 3683 CAH-PHIL 3(3,0)

Philosophy of Friendship: PR: One of: PHI 2010, PHI 3670, PHI 3683, or C.I. Philosophical aspects of friendship, focusing on its interpersonal, moral, social, and political significance and implications. Occasional.

PHI 3684 CAH-PHIL 3(3,0)

Ways of Living: PR: HUM 2210 or HUM 2230 or C.I. Philosophies of life and the notion of the "good life." Occasional.

PHI 3700 CAH-PHIL 3(3,0)

Philosophy of Religion: PR: REL 2300 or PHI 3670. An examination of basic ideas, beliefs, attitudes, and functions of religion, with emphasis upon questions of conceptual meaning and cognitive justification. Odd Spring.

PHI 3720 CAH-PHIL 3(3,0)

African Philosophy: PHI 3750 CAH-PHIL 3(3,0)

PHI 3790 CAH-PHIL 3(3,0)

PHI 3800 CAH-PHIL 3(3,0)

PHI 3803 CAH-PHIL 3(3,0)
Philosophy and Creativity: PR: Junior standing or PHI 2010 or C.I. A companion course to PHI 3800, Aesthetics. Examines the empirical and metaphysical claims made for creativity, attempts to account for intuition, genius, and intelligence. Occasional.

PHI 3805 CAH-PHIL 3(3,0)

PHI 3941 CAH-PHIL 3(1,3)
Philosophy Practicum: PR: C.I. Mentor at-risk grade schoolers and evaluate such work-related concepts as justice and fairness. Occasional.

PHI 4221 CAH-PHIL 3(3,0)
Philosophy of Language: PR: PHI 2010 or C.I. Nature of language and the relationships between language, reality, cognition, and culture. Spring.

PHI 4300 CAH-PHIL 3(3,0)
Theories of Knowledge: PR: Philosophy major or C.I. Classical and contemporary theories of knowledge. A critical examination of various forms of, and reasons for, scepticism, criteria for truth and justification for belief. Occasional.

PHI 4321 CAH-PHIL 3(3,0)
Philosophies of Embodiment: Mind/Body/ Self: PR: Junior standing and either PHI 2010, PHI 2011, PHI 2108, or C.I. Different ways of understanding relations between mind, body, and nature. Self-knowledge as articulated by Eastern and Western philosophers from ancient to contemporary times. Occasional.

PHI 4341 CAH-PHIL 3(3,0)
Ways of Knowing: PR: PHI 2010 or C.I. Philosophic study of approaches to knowledge, with emphasis on contributions of the knower to how things are known. Fall.

PHI 4400 CAH-PHIL 3(3,0)
Philosophy of Science: PR: Junior standing or PHI 2010 or C.I. An examination of the conceptual foundations and methodology of modern science. Occasional.

PHI 4420 CAH-PHIL 3(3,0)
Philosophy of Social Science: PR: Junior standing or PHI 2010 or C.I. An examination of the objectives, methods and guiding norms of the social sciences and their role in the development of human knowledge. Occasional.

PHI 4500 CAH-PHIL 3(3,0)
Metaphysics: PR: Philosophy major or C.I. Topics include appearance and reality, actions and events, necessity and possibility, identity, nature of persons, mind-body dualism, causality, and free will and determinism. Occasional.

PHI 4633 CAH-PHIL 3(3,0)
Ethics and Biological Science: PR: Completion of the GEP. An application of contemporary thinking to ethical issues arising from the biological sciences, including human and animal experimentation, genetic engineering, biodiversity. Occasional.

PHI 4633H CAH-PHIL 3(3,0)
Honors Ethics and Biological Science: PR: BSC 2010C, a course in Philosophy, and consent of Honors. Contemporary thinking on ethical issues arising from the biological sciences, including human and animal experiments, genetic engineering, and biodiversity. Occasional.

PHI 4673 CAH-PHIL 3(3,0)
Medical Ethics: PR: Senior standing or C.I. Ethics of clinical medicine and medical research. Spring.

PHI 4690 CAH-PHIL 3(3,0)
Ethics in Nanoscience and Nanotechnology: PR: Completion of GEP or Junior standing. Ethical implications of rapid developments in nanoscience and nanotechnology. Odd Fall.

PHI 4804 CAH-PHIL 3(3,0)
Critical Theory: PR: C.I. Critical theory and cultural studies emphasizing current trends as they apply to arts in diverse media. Even Fall.

PHI 4931 CAH-PHIL 3(3,0)
Philosophy in the News: PR: PHI 2010. Changing course content. A specific topic being covered by the media will be selected for philosophical examination. Course is web enhanced. Occasional.

PHI 4935 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: PHI 3320, PHI 3451 or PHI 3323 or C.I. Recent debate in philosophy of mind. Variable topics. Examples: mental representation, consciousness, concepts, free will. May be repeated for credit. Occasional.

PHI 4938 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Philosophy major. Capstone course on research, developing effective oral and written communication skills. Occasional.

PHI 5051 CAH-PHIL 1(1,0)
Portfolio: PR: PHI 3083 and last semester as Philosophy major. Presentation of a representative sampling of student's best work, with appropriate revisions, including a cover narrative indicating development of philosophical knowledge and skills. Graded S/U. Occasional.

PHI 5225 CAH-PHIL 3(3,0)
Philosophy of Language: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Philosophy of the nature of language and relationships between language, reality, cognition, and skills. Occasional.

PHI 5325 CAH-PHIL 3(3,0)
Topics in Philosophy of Mind: PR: Admission into graduate certificate program in Cognitive Sciences or C.I. Contemporary issues in philosophy of mind, including explanatory gap, and the problem of other minds. Occasional.

PHI 5327 CAH-PHIL 3(3,0)
Topics in the Cognitive Sciences: PR: Admission to graduate certificate program in Cognitive Sciences or C.I. Theoretical issues and empirical studies in the cognitive sciences, including contemporary discussions of mind, brain, artificial intelligence, pathologies, behavioral capacities. Fall.

PHI 5328 CAH-PHIL 3(3,0)
Philosophies of Embodiment: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Relations among mind, body, and nature. Knowledge of self, world and others as articulated by Western philosophy, with special emphasis on embodied cognition. Occasional.

PHI 5329 CAH-PHIL 3(3,0)
Philosophy of Neuroscience: PR: Admission to graduate certificate in Cognitive Sciences or C.I. Neuropsychology, including discussion of promises and limitations of neuroscience for understanding of the mind. Occasional.

PHI 5340 CAH-PHIL 3(3,0)

PHI 5627 CAH-PHIL 3(3,0)
Theoretical and Applied Ethics: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3538, or graduate standing or C.I. A seminar in theoretical and applied ethics with emphasis on application in professional fields. Variable content. Fall.

PHI 5634 CAH-PHIL 3(3,0)
Medical Ethics: PR: Graduate standing or C.I. Ethics for practitioners of clinical medicine, health care delivery and medical research. Fall.

PHI 5665 CAH-PHIL 3(3,0)
Knowledge, Responsibility, and Society: PR: Senior undergraduate standing and at least one of the following: PHI 3670, PHI 3538, PHI 4300, PHI 4341, PHI 4400, PHI 4553 or Graduate standing. A seminar exploring the relationship between ethics and epistemology with application to social concerns. Variable content. Occasional.

PHI 5681 CAH-PHIL 3(3,0)
Ethics in Science and Technology: PR: Graduate standing or C.I. The relationship between ethics and the pursuit and application of human knowledge, emphasizing the responsibility of scientists to society. Occasional.

PHI 3902 CAH-PHIL 3(3,0)
Philosophy of Love: PR: Junior standing and PHI 2010 or C.I. A critical investigation of the meaning and significance of various kinds of love from a variety of philosophical perspectives. Spring.

PHI 3922 CAH-PHIL 3(3,0)
Sexuality, Gender & Philosophy: PR: WST 3015, PHI 3010, PHI 3123, or C.I. Examines the contributions of poststructuralist and neo-psychoanalytical theories to cultural issues in sexuality and gender. Even Spring.

PHI 3930 CAH-PHIL 3(3,0)
Freedom and Justice: PR: Junior standing or PHI 2010 or C.I. Philosophical analysis and evaluation of selected issues arising from the interaction of the individual, society, and the state, includes topics such as freedom, equality, and justice. Occasional.

PHI 3932 CAH-PHIL 3(3,0)

PHI 3940 CAH-PHIL 3(3,0)
Philosophy of Law: PR: PHI 2010, PHI 2630, PHI 3670, or POS 2041. Study of the nature of, and justifications for, law and punishment. Examination of the concepts of legal personhood, rights and responsibilities. Spring.

PHI 4031 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, or C.I. Major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHI 5035 CAH-PHIL 3(3,0)
Environmental Philosophy: PR: PHI 3640, PHI 2630, graduate status or senior standing, or C.I. This course will provide an in-depth examination of the major contemporary positions in environmental philosophy, including deep ecology, ecofeminism, and social ecology. Occasional.

PHI 5381 CAH-PHIL 3(3,0)

PHI 5383 CAH-PHIL 3(3,0)
Modernity as a Philosophical Problem: PR: PHI 2010 or PHI 3640 or C.I. Modernity in the philosophies of Kant, Hegel, Nietzsche, Heidegger, Derrida, Rorty, and others. Occasional.

PHI 5386 CAH-PHIL 3(3,0)
Existentialism: PR: Junior standing or PHI 2010 or C.I. Study of existentialist analysis and criticism of the human situation as found in the writings of such philosophers as Kierkegaard, Nietzsche, Heidegger, Sartre, and Camus. Odd Fall.
Gross Anatomy/Neuroscience II Lab: PHT 3113L HPA-HP  3(0,6)
- Exploration of various medical conditions as they relate to medical and neuromotor theories and their clinical applications. Laboratory course emphasizing use of various therapeutic exercise modalities.

Gross Anatomy/Neuroscience I Lab: CR: PHT 3113L
- In-depth study of human anatomical systems using cadavers and tissue. Regional cadaver dissection.

Regional cadaver dissection.

PHT 3122 HPA-HP  2(0,0)
- Clinical Kinesiology: CR: PHT 3122L. Mechanical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection.

PHT 3122 L HPA-HP  3(0,6)
- Clinical Kinesiology: CR: PHT 3122L. Medical aspects of human movement, including joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues. Coordinated with cadaver dissection.

PHT 3155 HPA-HP  2(0,0)
- Physiology of Therapeutic Exercise: CR: PHT 3155L. Exercise physiology investigating the physiological responses and adaptations to human movement including cardiovascular and pulmonary systems.

PHT 3259 L HPA-HP  1(0,2)
- Patient Care Skills Lab: CR: PHT 3259 Lab. Course covering basic skills of patient care; transfers, mobility skills, draping, gait training.

PHT 3602 HPA-HP  2(0,0)

PHT 4119C HPA-HP  4(3,2)

PHT 4222 HPA-HP  2(2,0)

PHT 4222L HPA-HP  1(0,2)

PHT 4230 HPA-HP  2(2,0)

PHT 4230L HPA-HP  1(0,2)

PHT 4307 HPA-HP  3(0,0)
- Pathology/Pharmacology: CR: PHT 3113L. Organized seminars on the pathophysiology and clinical manifestations of various medical conditions as they relate to medical and neuromotor theories and their clinical applications. Laboratory course emphasizing use of various therapeutic exercise modalities.

PHT 4610 HPA-HP  2(1,3)

PHT 5003 HPA-HP  2(2,0)

PHT 5005 HPA-HP  2(2,0)

PHT 5125 HPA-HP  2(2,0)
- Clinical Kinesiology: CR: PHT 5125L. Investigates the mechanical aspects of human movement, joint mechanics of the upper and lower extremity, the vertebral column, and tissue mechanics of relevant human tissues.

PHT 5125L HPA-HP  2(0,2)
- Clinical Kinesiology Lab: CR: PHT 5125L. Concerned with the evaluation and practical application of aspects of human movement, joint mechanics of the upper and lower extremity, vertebral column and soft tissues. Occasional. M&S fee $35.00

PHT 5218 HPA-HP  2(0,0)
- Procedures I: CR: PHT 5218L. Procedures I Lab. Theories of physical agents, heat, light, cold, water, sound, and massage. Patient solving rationale and selection of interventions for inflammation, pain, edema, and weakness.

PHT 5218L HPA-HP  1(0,2)
- Procedures I Lab: CR: PHT 5218L. Lab course on the clinical applications of heat, light, cold, water, sound, and massage.

PHT 5240 HPA-HP  1(1,0)
PLA 5045 COS-PHYS 3(3,0)

PLA 5156 COS-PHYS 3(3,0)
Computational Physics: PR: PH 3151 or C.I. Computational methods applied to the solution of problems in many branches of physics. May be repeated for credit. Fall.

PLA 5304 COS-PHYS 3(3,0)
Nuclear and Particle Physics: PR: PH 4604 or equivalent, and graduate status or senior standing or C.I. Particles and nuclei, symmetries and conservation laws, interactions, models. Occasional.

PLA 5405 COS-PHYS 3(3,0)
Condensed Matter Physics: PR: PHY 4604, PHY 3101, and graduate status or senior standing or C.I. Crystal lattice cell structure, phonons, free electron model, band theory of solids, Fermi surface, solid state applications, and polymers. Occasional.

PLA 5425C COS-PHYS 3(3,3)
Electron Solid Interactions: PR: Undergraduate senior or graduate status or C.I. The physics and applications of electron interactions with solids. Classroom and hands-on laboratory content. Occasional.

PLA 5432 COS-PHYS 3(3,0)

PLA 5437 COS-PHYS 3(3,0)
Nanoscience Surface Physics: PR: Undergraduate Quantum Mechanics at the level of PHY 4604 or C.I. Overview of physical and chemical properties of nanoscale surfaces. Occasional.

PLA 5445 COS-PHYS 3(3,0)
Nanofabrication using Focused Ion Beam: PR: Graduate standing or C.I. Basic theory of ion-solid interactions: fundamental principle of focused ion beam application and its applications in nanofabrication; other ion beam techniques. Odd Spring.

PLA 5505 COS-PHYS 3(3,0)
Plasma Physics: PR: PHY 4324, and graduate status or senior standing or C.I. Introduction to theory and experimental basis of both weakly and highly ionized plasmas. Instabilities, plasma waves, nonlinear effects, controlled thermonuclear fusion. Occasional.

PHZ 5001 COS-PHYS 1(1,0)
Special Relativity for Teachers: PR: Graduate status or senior standing or C.I. Length contraction, time dilation, simultaneity, conservation of mass-energy, conservation of momentum, Compton scattering. Occasional.

PLA 3014 HPA-LS 3(3,0)
Law and the Legal System: A survey course designed to acquaint the student with the American legal system, ethical considerations, terminology, legal reasoning, and the role of the legal assistant. Fall, Spring.

PLA 3108 HPA-LS 3(3,0)
Legal Research: PR: PLA 3014 or C.I. A study of the various research tools used in legal investigation and the methods used to conduct legal research. Fall, Spring.

PLA 3108 HPA-LS 3(3,0)
Legal Writing: PR: PLA 3108. A study of legal writing format and technique and the preparation of memoranda and other legal documents, using research skills learned in PLA 3108. Fall, Spring.

PLA 3205 HPA-LS 3(3,0)
Civil Practice and Procedure: PR: PLA 3014 or C.I. The student becomes familiar with the Florida civil procedure before trial and acquires the ability to prepare basic pleadings. Fall, Spring.

PLA 3205H HPA-LS 3(3,0)
Civil practice and Procedure - Honors: PR: Permission of Honors and PLA 3014 or C.I. Same as PLA 3205 with honors level content. Occasional.

PLA 3277 HPA-LS 3(3,0)
The Law of Torts: PR: PLA 3014 or C.I. Theories governing civil injuries not arising from contractual obligations; systems and procedures used in preparation, trial and appeal of Torts cases. Fall, Spring.

PLA 3306 HPA-LS 3(3,0)
Criminal Law: Basic concepts of substantive criminal law. The course includes examination of elements of major crimes, criminal responsibility, legal defenses, and parties to crime. Fall, Spring.

PLA 3309 HPA-LS 3(3,0)
Criminal Procedure: PR: PLA 3014 or C.I. Rules of criminal procedure, with emphasis on Florida rules, including right to counsel, bail, search and seizure, arrest, identification, trial, and post-trial proceedings. Fall, Spring.

PLA 3615 HPA-LS 3(3,0)
Property and Real Estate Law: PR: PLA 3014. Study of the law of real and personal property; real estate transactions and conveyances; closing procedures and title problems. Fall, Spring.

PLA 4020 HPA-LS 3(3,0)
Law and Society: Examination of the relationship between law and American society including the impact on the legal system and legal profession of major social movements. Occasional.

PLA 4226 HPA-LS 3(3,0)
Advanced Trial Advocacy: PR: PLA 4910 or C.I. Litigation and trials at an advanced level; students must handle trial from beginning to end. May be repeated for credit. Occasional.

PLA 4240 HPA-LS 3(3,0)

PLA 4263 HPA-LS 3(3,0)
Evidence: PR: PLA 3014 and 3201 or C.I. An examination of statutes and cases that define rules of evidence for trial courts. Primary emphasis is on the Florida Evidence Code. Fall, Spring.

PLA 4424 HPA-LS 3(3,0)
The Law of Contracts: Study of the basic law of contracts as developed in Anglo-American law and as changed by modern statutes, including the Uniform Commercial Code. Florida contract law will be emphasized. Fall, Spring.

PLA 4436 HPA-LS 3(3,0)
Florida Partnerships and Corporations: Statutory requirements of Florida partnerships and corporations; creation and dissolution of business organizations, responsibilities of officers and basic rights of stockholders. Fall, Spring.

PLA 4464 HPA-LS 3(3,0)
Bankruptcy Law: PR: C.I. This course will acquaint the student with the substantive law and procedures associated with the rights and obligations of debtors and creditors. Occasional.

PLA 4472 HPA-LS 3(3,0)
Employment Discrimination Law: PR: C.I. Course will address employment discrimination based on race, gender, religion, national origin, age, disability and sexual orientation. Issues such as workplace harassment will be analyzed. Occasional.

PLA 4485 HPA-LS 3(3,0)
Administrative Law: PR: PLA 3014 or PAD 3003. The law regarding governmental agencies with emphasis on the administrative process, Administrative Procedures Acts and special problems of state administrative law. Fall, Spring.

PLA 4530 HPA-LS 3(3,0)
Legal Issues of the Elderly: PR: PLA 3014. Legal concerns faced by older Americans as they plan their later years and seek to maximize their personal autonomy. Occasional.

PLA 4554 HPA-LS 3(3,0)
Environmental Law: PR: PLA 3014 and PLA 4465 or C.I. Environmental law and policy related to the protection of natural resources, including an examination of toxic pollutants, endangered species, and climate change. Odd Fall, Odd Spring.

PLA 4583 HPA-LS 3(3,0)

PLA 4593H HPA-LS 3(3,0)
Honors Cyber Law: PR: Honors GEP completion or consent of The Burnett Honors College. Copyright, trademark, patent issues in cyberspace; online dispute resolution, privacy, and free speech topics. With Honors Content. Occasional.

PLA 4601 HPA-LS 3(3,0)
Estates and Trusts: PR: PLA 3014, PLA 3615. A study of wills and trusts, and applicable legal principles of administration of estates through the processes of the Probate Court. Fall, Spring.

PLA 4609 HPA-LS 3(3,0)
Estate Administration: PR: PLA 4607. Study of the laws and procedures applicable to administration of estates. Occasional.

PLA 4703 HPA-LS 3(3,0)

PLA 4710 HPA-LS 1(1,0)
Careers in Legal Studies: PR: Major in Legal Studies or C.I. Applications of Legal Studies. Students will explore options in legal studies, professional development, and ethics. Graded SU. Occasional.

PLA 4734 HPA-LS 3(3,0)
Advanced Legal Applications Computer Software: PR: PLA 3014 or C.I. Course will acquaint students with contemporary computer software applications used to satisfy the demands of today's lawyers and law-related fields. Occasional.

PLA 4764 HPA-LS 3(3,0)

PLA 4806 HPA-LS 3(3,0)
Domestic Relations Law: PR: PLA 3014 and PLA 3615, or C.I. An in-depth study of family law focusing on divorce, custody, child support, alimony, adoption and other related matters with an emphasis on Florida law. Fall, Spring.

PLA 4813 HPA-LS 3(3,0)
Juvenile Law and Procedure: PR: PLA 3014 or C.I. Examines both the substantive and procedural law for juvenile delinquency and dependency. Emphasis on Florida law and comparison with other jurisdictions. Occasional.

PLA 4823 HPA-LS 3(3,0)
Sports Law: PR: PLA 3014 or C.I. Introduction to the legal issues and regulation of sports, focusing on torts, contracts, agency and constitutional law as applied to athletes. Occasional.

PLA 4824 HPA-LS 3(3,0)

PLA 4825 HPA-LS 3(3,0)
Entertainment Law: PR: PLA 3014 or C.I. Introduction to the control and regulation of the entertainment industry and the associated legal issues. Occasional.

PLA 4826 HPA-LS 3(3,0)
POS 3122 COS-POLS 3(3,0)  State Government and Public Policy: PR: POS 2481 or C.I. A comparative study of American state governments, political processes, and public policies, with emphasis on Florida. Occasional.

POS 3122H COS-POLS 3(3,0)  Honors State Government and Public Policy: PR: POS 2481 or C.I. and permission of Honors. A comparative study of state government, political processes, and public policies, with emphasis on Florida. With Honors consent. Occasional.

POS 3173 COS-POLS 3(3,0)  Southern Politics: PR: POS 3041 or C.I. Study of the political systems of the Southern and regional relationship examined. Occasional.

POS 3182 COS-POLS 3(3,0)  Florida Politics: PR: POS 2481 or C.I. Examines the foundations of Florida government and political behavior, political institutions, and public policy. Occasional.

POS 3182H COS-POLS 3(3,0)  Honors Florida Politics: PR: POS 2481 or C.I., and consent of Honors. Foundations of Florida government and political behavior, political institutions, and public policy. With Honors consent. Occasional.

POS 3223 COS-POLS 3(3,0)  Public Opinion: PR: Junior standing or C.I. Nature, impact and development of public opinion, emphasizing the influence of race, gender, age, and class on opinions, voting, and political behavior. Fall.

POS 3224 COS-POLS 3(3,0)  Protest in American Politics: PR: POS 2481 or C.I. Connections between politics and protest in American politics including the impact on policy, and the implications of the generalization of protest for democracy. Occasional.

POS 3225 COS-POLS 3(3,0)  Media Politics and Publics: PR: POS 2481 or C.I. Influence of media on campaigns, public officials, public opinion, the definition of political news, and selected public policies. Occasional.

POS 3235H COS-POLS 3(3,0)  Honors Mass Media and Politics: PR: POS 2481 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 consent. Occasional.

POS 3253 COS-POLS 3(3,0)  Contemporary Revolution and Political Violence: Theories and cases of revolutionary change and political violence in the contemporary world. Occasional.

POS 3258 COS-POLS 3(3,0)  Politics in Film: PR: POS 2481 or C.I. The influence of motion pictures on popular understanding of American and international politics. Even Fall.

POS 3273 COS-POLS 3(3,0)  Voting and Electioneering: Theoretical and substantive inquiry into U.S. electoral system; includes focus on voter behavior as well as national and state electoral systems. Occasional.

POS 3413 COS-POLS 3(3,0)  The American Presidency: PR: POS 2481 or C.I. Examination of historical and contemporary role of the presidency, including the presidential selection process and the office’s evolution in status, powers, administrative responsibilities, leadership, and decision-making. Occasional.

POS 3424 COS-POLS 3(3,0)  Congress and the Legislative Process: PR: POS 2481 or C.I. Examination of the Congress as an institution undergoing dynamic change; emphasis upon recruitment of legislators, institutional and informal rules, the committee system, and the legislative process. Fall.

POS 3443 COS-POLS 3(3,0)  Political Parties and Processes: PR: POS 2481 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.

POS 3463 COS-POLS 3(3,0)  Interest Groups: PR: POS 2481 or C.I. Analyzes the non-electoral behavior of economics, ideological, and citizen groups; political action committees; and the proliferation of interest organizations over the past quarter century. Occasional.

POS 3627 COS-POLS 3(3,0)  Cultural Clumsy and Law: PR: POS 2481. A careful approach to the legal and constitutional aspects of historical and current issues facing minorities in the U.S. Occasional.

POS 3703 COS-POLS 3(3,0)  Scope and Methods of Political Science: PR: Junior standing or C.I. The scope and methodology of political analysis. Extensive examination of the discipline, research design and methodology. Fall, Spring.

POS 3949 COS-POLS 0(0,8)  Cooperative Education in Political Science: PR: Departmental permission required before registering. Cooperative education experience in political science. Graded S/U. May be repeated. Occasional.

POS 4074 COS-POLS 3(3,0)  Latino Politics: PR: POS 2481 or C.I. Political characteristics of the Latino community in the United States and its impact on U.S. national and international politics and policies. Odd Fall.

POS 4142 COS-POLS 3(3,0)  Metropolitan Politics: Analysis of political patterns, processes, and issues in American communities. Intergovernmental relations and structural and political arrangements in the existing and emerging metropolitan areas. Occasional.

POS 4204 COS-POLS 3(3,0)  Political Behavior: PR: POS 2481 or C.I. Mass political behavior, concentrating on voting and participation, primarily in the United States. Occasional.

POS 4206 COS-POLS 3(3,0)  Political Psychology: The psychological analysis of political behavior, with emphasis on the individual rather than the political system; includes political attitudes and communication, leadership, and personality influences on politics. Occasional.

POS 4246 COS-POLS 3(3,0)  Political Socialization: PR: POS 2481 or C.I. Analysis of recruitment and socialization processes. Identification of the agents and processes of political socialization in national and cross-cultural contexts. Occasional.

POS 4284 COS-POLS 3(3,0)  Judicial Process and Politics: Study of the formal and informal judicial process. Legal culture, bureaucratic model, judicial recruitment and outputs, comparative judicial behavior. Fall, Odd Spring.

POS 4412 COS-POLS 3(3,0)  Presidential Campaigning: PR: C.I. Introduces the process of candidate selection, convention behavior, actual campaign process and the transition of power. Occasional.

POS 4603 COS-POLS 3(3,0)  American Constitutional Law: PR: POS 2481 or C.I. Development of American federalism and national power, commerce clause, and nationalization of the economy. Fall.

POS 4604 COS-POLS 3(3,0)  American Constitutional Law II: PR: POS 2481 or C.I. Development of American federalism and civil rights in the American federal system. Spring.

POS 4662 COS-POLS 3(3,0)  Political and Civil Rights: PR: Junior standing or C.I. Examination of civil rights issues in the context of political behavior, political institutions and public policy since 1865. Occasional.

POS 4742 COS-POLS 3(3,0)  Geographic Information Systems for the Political Scientist: PR: POS 2481. Theoretical assumptions, analytical possibilities, and application of Geographic Information Systems (GIS) for political science research. Occasional.
democracy, citizen participation, and relevance of empirical
liberal democracy and its critics, elitist theories, participatory
society, and the individual by discussing the works of major
authors from the 19th century. Odd Fall.

POT 4025 COS-POLS 3(3,0)
Ancient, Medieval and Early Modern Political
Philosophy: Study of the development of political and social
ideas in western thought from early Greece through the
17th century. Occasional.

POT 4054 COS-POLS 3(3,0)
Modern Political Ideologies: A study of modern ideolo-
gies since the French Revolution including liberal-
ism, conservatism, capitalistic, and anarcho-
ism. Occasional.

POT 4003 COS-POLS 3(3,0)
Political Theory: PR: POS 2401 or C.I. Examination of
various normative approaches to the study of political
science, stressing contemporary developments in the field.
Occasional.

POT 4025 COS-POLS 3(3,0)
Ancient, Medieval and Early Modern Political
Philosophy: Study of the development of political and social
ideas in western thought from early Greece through the
17th century. Occasional.

POT 4054 COS-POLS 3(3,0)
Modern Political Ideologies: A study of modern ideolo-
gies since the French Revolution including liberal-
ism, conservatism, capitalistic, and anarcho-
ism. Occasional.

POT 4054 COS-POLS 3(3,0)
Modern Political Philosophy: Study of the devel-
oment of political and social ideas from the 18th century
to the present. May be taken independently of POT 4045
(Ancient, Medieval and Early Modern Political Philosophy).
Occasional.

POT 4066 COS-POLS 3(3,0)
Contemporary Political Theory: PR: Junior stand-
ing or C.I. Study of the contemporary debate about
the status of rights, utilitarianism, and liberalism, and communitar-
ian Marxist, libertarian, and feminist critiques of liberalism.
Occasional.

POT 4109 COS-POLS 3(3,0)
Politics and Literature: PR: Junior standing. An
examination of politics and the political process through
the medium of literature. Occasional.

POT 4305 COS-POLS 3(3,0)
The State, Society, and the Individual: PR: Junior stand-
ing or C.I. The relationship between the state, society,
and the individual by discussing the works of major
authors from Adam Smith to Robert Axelrod. Odd Fall.

POT 4314 COS-POLS 3(3,0)
Contemporary Democratic Theory: PR: POS 2041 or C.I.
Study of democratic theories, emphasizing liberal democratic
styles, elitist theories, participatory democracy, citizen participation,
and relevance of empirical research to democratic theory. Occasional.

POT 4331 COS-POLS 3(3,0)
Utopia/Dystopia: PR: POS 2041 or C.I. Examines poli-
tical issues, such as justice, economic distribution and
social organization by exploring both classic and contempo-
rarily utopian and dystopian. Occasional.

POT 4345 COS-POLS 3(3,0)
Pan-Africanist Thought: PR: INR 2002. Philosophical
assumptions, theoretical frameworks, ideological orienta-
tions and social/political thoughts that have contributed to the
tradition of Pan-Africanist thought. Occasional.

POT 4414 COS-POLS 3(3,0)
Marxist Political Theory: Survey of Marx & Engels and
other theorists, examining the theoretical underpinnings
of nations and groups who have adopted Marxist principles for
povt. Occasional.

POT 4632 COS-POLS 3(3,0)
Religion and Politics: PR: Junior standing. Analysis of
religious thought and individual relationships of religion and pol-
ts including globalization, fundamentalism, seculariza-
tion, American exceptionalism, political behavior, and the
religious origins of current secular concepts. Occasional.

PPE 3003C COS-PSYCH 3(3,2)
Personality Theory and Research: PR: PSY 2012. A survey
of theories and research on the development of personality characteristics.
Fall, Spring.

PPE 3003H COS-PSYCH 3(3,0)
Honors Personality Theory: PR: PSY 2012 and
Consent of Burnett Honors College. Theory and research on
the development of personality characteristics. With Honors content.
Occasional.

PSE 3002 COS-PHY 3(3,0)
Physiological Psychology: PR: PSY 2012. The
physiological basis of behavior, emphasizing the relationship
between the nervous system and behavior. Fall, Spring.

PSE 3002H COS-PHY 3(3,0)
Honors Physiological Psychology: PR: PSY 2012H and consent of Honors. Physiological basis of
behavior, emphasizing the relationship between the nervous
system and behavior. With Honors content. Occasional.

PSE 3441 COS-PHY 3(3,0)
Psychobiological Aspects of Drugs: PR: PSY 2012. An
advanced course designed for web instruction. Focuses on the
physiological basis of behavior and social consequences of drug use.
Spring.

PSE 3842 COS-PHY 3(3,0)
Sleep and Dreams: PR: PSY 2012. An overview of
the physiological and psychological foundations of sleep
and dreams. Concrete facts and disturbances of sleep.
Cultural perspectives on, and contemporary applications of
dreams. Occasional.

PSE 4103C COS-PHY 3(2,2)
Biofeedback Applications: PR: PSY 2012, PSY
3002 and C.I. Introduction to theory, instrumentation,
research and clinical application of the biofeedback.
Training in use of biofeedback equipment. Lecture/Lab. Occasional.

PSE 4240C COS-PHY 4(3,2)
Neuropsychology: PR: PSY 3002. Study of brain
function, with particular emphasis on human behavior.
Lecture/Lab. Fall, Odd Spring.

PSE 4422 COS-PHY 3(2,2)
Brainwaves and Behavior: PR: PSY 3002. Review
of research and clinical practice in the use of computerized
EEG for treatment of selected physical and psychological
disorders. Occasional.

PSE 5005 COS-PHY 3(3,0)
Physiological Psychology: PR: PSY 3002 and graduate
status or senior standing or C.I. An advanced
survey of the physiological basis of behavior, emphasizing
the relationship between the nervous system and behavior.
Occasional.

PSC 1121 COS-PHYS 3(3,0)
Physical Science: PR: High school algebra or MAC
1105C. Fundamental laws of mechanics, heat, waves,
electricity, magnetism; chemical processes and equations,
properties of gases, liquids, solids, solutions. Fall, Spring.
M&S fee $2.20

PSC 1121H COS-PHYS 3(3,0)
Honors Physical Science: PR: Permission of
Honors and MAC 1105C or MGF 1106. PSC 1121 with
Honors-level content. Occasional.

PSC 1121L COS-PHYS 1(0,2)
Physical Science Lab: CR: PSC 1121. Experiments
to apply the scientific method to observation and analysis in
mechanics, heat, light, electricity and magnetism, chemical
and physical transformations. Fall, Spring. M&S fee $10.00

PSC 1801L COS-PHYS 3(3,0)
Physics in Films: PR: High school algebra. Physics
using film as a vehicle of education. Not open to students
with credit in PSC 1121. Occasional.
UCF Courses and Descriptions

RED 3100 ED-CFCS 3(3,0)
Early Reading, Writing and Language Arts: PR: Admission to the Elementary Education Program. Emergent reading/writing processes during preschool, kindergarten, and first grade; methods for implementing integrated language arts curriculum; guiding developmental early childhood language experiences. Occasional.

RED 4043 ED-TL&L 3(3,0)
Corrective Reading in Kindergarten Through Grade 12: PR: Junior or senior standing. Admission to the teacher education program. Content literacy in the K-12 school curriculum; Principles, strategies, assessment, and promoting practices. Fall, Spring.

RED 4311 ED-CFCS 3(3,0)
Primary Reading, Writing, and Language Arts Curriculum and Assessment: PR: RED 3012 and RED 3310; CR: EEC 3940. Methodologies for teaching and assessing young children in reading, writing, and language arts in the elementary grades. Fall.

RED 4519 ED-TL&L 3(3,1)

RED 4942 ED-TL&L 3(3,0)
Practicum for Assessment and Instruction of Reading: PR: RED 4519. Corequisite: Internship I. Practicum provides opportunity to apply knowledge of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent school experience required. Fall, Spring.

RED 5147 ED-TL&L 3(3,0)

RED 5517 ED-TL&L 3(3,1)
Classroom Diagnosis and Development of Reading Proficiencies: PR: RED 5147 or equivalent. Classroom diagnosis and effective teaching in reading: instructional materials. Case study required. Even Fall, Spring.

RED 5948 ED-TL&L 3(3,0)
Practicum in Reading Assessment and Instruction: PR: RED 5517. Practicum that requires application of reading assessment and instruction in order to increase reading proficiency of struggling readers. Concurrent K-12 field experiences required. Fall, Spring.

REE 3043 BA-FIN 3(3,0)
Fundamentals of Real Estate: PR: Junior standing. An analysis of the real estate market with emphasis on Florida statutes and case law. Fall, Spring.

REE 3433 BA-FIN 3(3,0)
Real Estate Law: PR: Junior standing. An analysis of real estate law with emphasis on Florida statutes and case law. Fall, Spring.

REE 3614 BA-FIN 3(3,0)
Environmental Issues for Real Estate: PR: REE 3043, REE 3433; open to majors or minors which require this course. Political, cultural, institutional and scientific mechanisms which shape environmental policy. The effects of hazard, risk and uncertainty in policy development. Occasional.

REE 4103 BA-FIN 3(3,0)

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. Focus on real estate decision-making in the private sector utilizing tools of financial and economic analysis. Fall, Spring.

REE 4732 BA-FIN 3(3,0)
Real Estate Development: PR: FIN 3403C. The real estate development process, from the inception of a project through to lease-up, long-term financing, and final sale to the investment community. Fall.

REE 4933 BA-FIN 3(3,0)
Advanced Topics in Real Estate: PR: REE 3043 and REE 3433, or department approval. Advanced topics in real estate development, investment analysis, and market analysis. Courses cover the entire planning process for a real estate development or redevelopment project. Occasional.

REL 2000 CAH-PHIL 3(3,0)
Introduction to Religious Studies: Introduction to the academic study of religion; exploration of the phenomenon of religion and critical thinking about the question: What is religion?. Fall.

REL 2300 CAH-PHIL 3(3,0)
World Religions: Basic features and historical background of Confucianism, Taoism, Hinduism, Buddhism, Judaism, Christianity, and Islam. Fall, Spring.

REL 2300H CAH-PHIL 3(3,0)

REL 3111 CAH-PHIL 3(3,0)
Religion and Philosophy Through Film: PR: ENC 1102 and either PHI 2010 or REL 2300 or FIL 1000. Religious and philosophical themes encountered in contemporary film. It unites religion, philosophy and film by means of a critique of cultural productions of meaning, value and purpose. Occasional.

REL 3115 CAH-PHIL 3(3,0)

REL 3131 CAH-PHIL 3(3,0)

REL 3340 CAH-PHIL 3(3,0)
Buddhist Thought: PR: HUM 2230 or REL 2300 or C.I. Teachings of Buddhism and their contemporary applications. Odd Fall, Spring.

REL 3422 CAH-PHIL 3(3,0)
Roots of Western Mysticism: PR: HUM 3431, HUM 3532, HUM 3553, HUM 4303, HUM 4554, PHI 3100, or PHI 3200. Ancient, medieval, and early modern European mysticism, and its influences on religious, philosophical, artistic, and scientific thought in the West. Even Fall, Odd Spring.

REL 4110 CAH-PHIL 3(3,0)
Religion and the Arts: PR: At least one of the following: HUM 2210, HUM 2230, ARH 2050, ARH 2051, or REL 2300. Art, music, dance, and ritual practices in religious traditions with an emphasis on contemporary society. Occasional.

REL 4180 CAH-PHIL 3(3,0)
Religion and Medicine: PR: Junior standing and REL 2300 or C.I. A comparative study of the approaches toward medicine and healing in different religious traditions, both in the US 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 and knowledge in the subject area. Graded S/U. Occasional.

REL 4910 CAH-PHIL 3(3,0)
Senior Research Seminar: PR: Senior standing and Religion Studies track major. Capstone course on research, developing effective oral and written communication skills. Occasional.

RET 3026C HPA-HP 4(3,3)
Introduction to Respiratory Care.: PR: Admission to the professional upper-division Respiratory Therapy Program. Fundamental respiratory principles and practices will be studied. Introduction to the profession and basic methods are covered. Lecture and lab. Fall.

RET 3269C HPA-HP 4(3,3)
Mechanical Ventilation: PR: RET 3026C. Function and use of mechanical ventilators, patient evaluation methods. All forms of ventilatory support will be studied. Lecture and laboratory. Occasional.

RET 3493C HPA-HP 3(3,2)
Respiratory Clinical Assessment: PR: RET 3026C or C.I. Demonstration of clinical assessment techniques, critical thinking, chest radiology and other laboratory techniques, polysomnography and clinical documentation. Includes Internet work. Spring.

RET 3494C HPA-HP 4(3,3)
Cardiopulmonary Physiology: PR: PCB 3703C. Normal ventilation, lung mechanics, pulmonary circulation, diffusion, and blood gases, with an emphasis toward diagnostic cardiology. Fall.

RET 3717C HPA-HP 3(3,0)
Pediatric Respiratory Care: PR: RET 3026C. The study of childhood respiratory diseases, congenital problems, infections, metabolic disorders, and AIDS. Spring.

RET 3884L HPA-HP 5(0,16)

RET 3885L HPA-HP 8(0,24)
Clinical Practice II: PR: C.I. Patient care with advanced respiratory equipment. Tracheostomy care. Introduction to cardiopulmonary resuscitation. Introduction to critical care units. Advanced life support techniques and equipment. Fall.

RET 4034 HPA-HP 3(3,0)

RET 4246 HPA-HP 3(3,0)

RET 4287 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics I: PR: RET 4246. Non-invasive cardiac diagnostics, including echocardiography, nuclear cardiology, and stress testing. Fall.

RET 4288 HPA-HP 3(3,0)
Cardiopulmonary Diagnostics II: PR: RET 4246 and RET 4287. Invasive cardiac diagnostic and therapeutic measures, including cardiac catheterization, PTCA, streptokinase use, and heart surgery. Spring.
Advanced Cardiac Ultrasound: PR: RET 4287 or C.I. Study of advanced applications of ultrasound in the diagnosis of cardiac abnormalities. Two-dimensional echo, conventional doppler, and color doppler covered. Occasional.

Pulmonary Function Studies: PR: RET 3026C. Detailed procedures and tests to provide information for diagnosis of pulmonary disease. Lecture-laboratory. Occasional.

Chest Disease: PR: RET 3026C. Disease states treated medically in conjunction with one or more modalities of respiratory therapy. Spring.

Cardiopulmonary Rehabilitation: PR: RET 3026C & RET 3240C or C.I. Principles underlying the development, implementation, and management of a comprehensive cardiopulmonary rehabilitation program. Spring.

Neonatal Medicine: PR: RET 3714C or C.I. Fetal development, normal physiologic, gas transport to fetus and newborn. Congenital abnormalities, infections, diseases of the newborn. Resuscitation of the neonate. Fall.


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.

Research Methods in Cardiopulmonary Physiology: Introduction to methods used in scientific and medical research in cardiopulmonary physiology. Literature review, experimentation, and data analysis. Occasional.

Principles of Risk and Insurance: PR: FIN 3403C. Emphasis is on insurance as a risk-handling device, with attention given to risk assumption, risk avoidance, and loss prevention. Spring.

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.

Introduction to Patient Care: PR: Acceptance to the program. Provides the student with fundamentals of patient care methods related to radiology. Fall.

Advanced Patient Care: PR: RTE 3111C or C.I. Study of advanced patient care concepts and techniques associated with computed tomography, magnetic resonance imaging, mammography, pediatrics and interventional procedures. Spring.

Medical Physics: PR: RTE 3649C or C.I. Study of radiation production, characteristics, detection and measurement, and protection, including barrier thickness calculation and shielding. Occasional.

Principles of Radiographic Exposure I: An introduction to the technical variables influencing radiographic and fluoroscopic image quality, including equipment considerations, prime exposure factors, image receptors, and accessory exposure devices. Fall.


Radiographic Procedures I: PR: Admission to the program. Provides fundamental knowledge of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the chest, abdomen, routine contrast studies, and the upper extremity. Fall.

Radiographic Procedures II: PR: RTE 3503C or C.I. Continuation of radiographic positioning, equipment manipulation, and quality evaluation of radiographic studies of the shoulder, bony thorax, lower extremity, vertebral column, cranium, and facial bones. Spring.

Physics of Image Production: PR: College Physics II. Physics of diagnostics including radiation production, physical principles of generator operation, and characteristics of electromagnetic radiation. Fall.

Methods in Radiology Management: Concepts of radiology, department management, including principles, personnel management, evaluation and improvement techniques, budgeting, financial considerations and legal aspects, and JCAH quality assurance specifications. Occasional.

Leadership in Radiological Sciences: PR: Senior level status in Radiologic Sciences program. Orientation to leadership position in Radiological Sciences. Spring.

Radiological Administrative Practice: A directed practice in the management of a radiology department, with application of theory and methodology. Occasional.

Radiobiology: PR: or CR: RTV 3007 or C.I. Study of the effects of ionizing radiation on biological systems. The responses at the cellular and total organism level are investigated. Fall.

Quality Improvement: PR: Registered technologist or Senior standing. The study of quality improvement and quality control from the perspective of radiology services. Spring.

Special Radiographic Procedures: PR: RTE 3513C or C.I. Principles of nonvascular invasive procedures, including myelography, cholangiography, hysterosalpingography, and bronchography. Occasional.

Advanced Imaging Modalities: PR: RTE 3563 or C.I. A study of the physical principles and applications of computed tomography, digital imaging, interventional radiography, mammography, ultrasound, magnetic resonance imaging, and nuclear medicine. Fall.

Computed Tomography Protocols: PR: Senior level status in Radiologic Sciences program. Examines the application of imaging techniques accomplished by multidetector row computed tomography acquisition. Fall.
RTV 3223C COS-COMM 3(2,1) Lighting for Video: PR: RTV 3228C or RTV 3260C, and RTV Major - Production Specialization. Basic techniques for both studio and location, single and multiple-camera video production. Students should expect significant work in the RTV facility outside of class. Odd Fall, Spring. M&S fee $30.00

RTV 3228C COS-COMM 4(3,1) Studio Video Production: PR: RTV 3200 and RTV Major - Production Specialization. Analog and digital television studio production including audio mixers, microphones, TV cameras, video switchers, lighting and electronic graphics. Students should expect significant work in the RTV facility outside of class. Odd Fall, Even Spring. M&S fee $30.00

RTV 3234C COS-COMM 3(2,1) Broadcast Announcing and Performance: PR: RTV Major, Junior standing, and C.I. Development of performance skills and techniques required to be a performer in any area of broadcast television and performing industry, with emphasis on on-air announcing. Comprised of radio announcing, television studio production including audio mixers, microphones, TV cameras, video switchers, and production of electronic interactive multimedia for the broadcast journalism industry. Students should expect significant work in the RTV lab facility outside of 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. Analog or Broadcast Journalism Specialization. Technical and aesthetic requirements of analog and digital single-camera video production and editing, including techniques for video news gathering (ENG) and electronic field production (EFP). Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $30.00

RTV 3263C COS-COMM 3(2,1) Advanced Video Post-Production: PR: RTV 3260C. Production Specialization. Advanced post-production techniques for analog and digital video, including A/B roll time code editing, digital video effects, electronic graphics, and non-linear video editing systems. Students should expect significant work in the RTV facility outside of class. Fall, Spring. M&S fee $15.00

RTV 3301 COS-COMM 3(3,0) Electronic Journalism I: PR: RTV 2102 and RTV Major - Broadcast Journalism Specialization. Newswriting and newsgathering skills and their accompanying ethical considerations for analog and digital delivery of broadcast journalism. Fall, Spring.

RTV 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 and newsgathering context for actual production of analog and digital radio and television news packages. Fall, Spring.

RTV 3942L COS-COMM 1-3(3-9) Practicum: PR: C.I. RTV Major, and either RTV 3210C, RTV 3228C, or RTV 3260C. Student will serve in some position of responsibility for UCF Weekly News or other RTV program. Graded SU. May be repeated for credit. Occasional.

RTV 4206C COS-COMM 3(2,1) Television Directing: PR: RTV 3228C, RTV 3260C, and RTV Major - Production Specialization. Preparation and direction of programs, using both digital and analog resources, with emphasis on dramatic value and composition. Students should expect significant work in the RTV lab facility outside of class. Fall. Even Spring. M&S fee $20.00

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 $15.00

RTV 4271C COS-COMM 3(2,1) Radio Production and Programming: PR: RTV 3200 and RTV Major - Generalist Specialization. Study and production of current radio formats, the integration of digital resources, and their effects on today's radio listener. Students should expect significant work in the RTV lab facility outside of class. Fall

RTV 4280C COS-COMM 3(2,1) Webcasting I: PR: RTV Major and PR or CR: RTV 3283C. Presentation of broadcast material on the web. Integrates the distribution of radio, television, and web content. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4281C COS-COMM 3(2,1) Webcasting II: PR: RTV 4280C and RTV Major. Production of digital media in conjunction with other RTV production activities to repurpose broadcast content for delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional. M&S fee $15.00

RTV 4320C COS-COMM 4(1,3) Television News: PR: RTV 3304 and RTV Major - Broadcast Journalism Specialization or C.I. Production of weekly campus newscast. Daily newswriting and production decisions are conducted by students under the advisement of the instructor functioning as news director. Students should expect significant work in the RTV lab facility outside of class. Fall, Spring. M&S fee $15.00

RTV 4322C COS-COMM 3(2,1) Advanced 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 in Electronic Media: PR: SPC 1608 or COM 1000 or RTV 3007 or C.I. Factors that determine how sporting events are constructed for program delivery on the web. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4505 COS-COMM 3(2,1) Program Issues for TV & Motion Pictures: PR: RTV 3007 or FIL 2030 or C.I. An examination of program development strategies, theories and issues in the television and motion picture industries. Students should expect significant work in the RTV lab facility outside of class. Occasional.

RTV 4700 COS-COMM 3(3,0) Regulation of Broadcasting: PR: RTV Majors only, RTV 3007. Federal, state, local and self-regulatory agencies and practices which govern electronic media. Fall.

RTV 4800 COS-COMM 3(3,0) Broadcast Management: PR: RTV Majors only. RTV 4700. Examination of broadcast management programs in station operations at local, regional, and national levels. Odd Spring.

RUS 1120 CAH-LANG 4(4,1) Elementary Russian Language and Civilization I: Introduces the student to Russian cultural history through the major language skills: listening, speaking, reading and writing. Open only to students with no experience in the language. Odd Semester.


RUS 2200 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization: PR: RUS 1121 or equivalent. Development of language skills and cultural knowledge at the intermediate level. Occasional.

RUS 2201 CAH-LANG 3(3,1) Intermediate Russian Language and Civilization II: PR: RUS 2200 or equivalent. Continuation of RUS 2200, with emphasis on Russian civilization. Occasional.

RUS 2210 CAH-LANG 3(3,0) Intensive Russian Conversation: PR: One year of Russian or equivalent. Practical use of the language, leading toward fluency and correctness in speaking. Occasional.

RUS 3246 CAH-LANG 3(3,0) Russian Civilization: PR: RUS 2201 or equivalent. Development of skills in conversation and comprehension through practice. Occasional.

RUS 3760 CAH-LANG 3(3,0) Advanced Russian Oral Communication: PR: RUS 2201 or equivalent. Vocabulary building with systematic training in diction and intonation. Speeches and oral presentations as well as production and delivery of real-life dialogues. Occasional.

SCE 3111 HPA-CJ 3(3,0) Security Administration: Discussion of modern security administration and the security-law enforcement interface, emphasizing a systems approach and utilizing the design of a security plan for a plant. Occasional.


SCE 3316 HPA-CJ 3(3,0) Special Security Problems: Review and application of basic security principles to retail security, transportation/cargo security, utility security, computer security, and other special security situations. Occasional.

SCE 3310 ED-TL&L 3(3,0) Teaching Science in Elementary School: PR: EDG 4410 or C.I. Selected concepts; organizing for instruction; techniques; evaluation procedures. Fall, Spring. M&S fee $10.00

SCE 4304 ED-CFCS 3(3,0) Teaching Science and Technology to Young Children: Provides the knowledge and skills needed to plan and implement a discovery science/design technology program for young children in an integrated, interactive curriculum. Fall.

SCE 4360 ED-TL&L 4(3,2) Science Instructional Analysis: PR: EDG 4323 or C.I. Course objectives for a school curriculum and methods and materials for the middle grades and high school. Fall, Spring. M&S fee $8.00

SCE 4361 ED-TL&L 3(3,0) Programs in Teaching Science: PR: Admission to the Bachelor of Science in Science Education program or C.I. Special programs, strategies, and materials for middle and secondary school science education majors. Spring.

SCE 5325 ED-TL&L 3(3,0) Teaching Middle School Science: PR: EDG 6236 or C.I. This course will provide experiences that promote effective science teaching in grades 5-9 including interdisciplinary learning, technology use, ESOL, and inquiry in science. Occasional.

SCE 5337 ED-TL&L 3(3,0) Issues and Methods in Secondary School Science: PR: EDG 6236 or C.I. Special methods course is designed to augment students' understanding of instructional methods and their applications to middle and high school science curriculum. Fall, Spring.

SCE 5836 ED-TL&L 3(3,0) Space and Physical Science for Educators: PR: Coordinate standing or C.I. Introduction to space and physical science, manned space flight, and space education curriculum. Occasional.
SLS 1501
ED-T&L
3(3,0)
Strategies for Success in College: PR: First Time in College (FTIC) standing or C.I. Development of life-skills necessary for the contemporary student to appropriately adjust to college requirements that lead to self-mastery and the total concept of lifetime wellness. Fall, Spring.

SLS 2261C
ED-T&L
2(2,1)
Student Organization Leadership: Application of leadership principles and American development paradigms, theories, and approaches for emerging and established student leaders. Occasional.

SLS 2311C
COM-M&M
2(2,1)
Overview of Select Medical Careers: An overview of the pre-health professions process for careers in medicine, dentistry, veterinary, optometry, pharmacy, podiatry, and chiropractic. Spring.

SLS 2715
ED-T&L
2(2,0)
Peer Educator Leadership: PR: Orientation Team Members or C.I. Training peer educators in helping strategies applicable to their peer leadership positions. Fall, Spring.

SOP 2772
COS-PYCH
3(3,0)

SOP 3004C
COS-PYCH
3(3,2)

SOP 3723
COS-PYCH
3(3,0)

SOP 3724
COS-PYCH
3(3,0)
Psychology of Prejudice: PR: PSY 2012. Examination of literature relating to prejudice toward groups and individuals, development and maintenance of prejudice, and possible ways to reduce prejudice. Even Spring.

SOP 3742
COS-PYCH
3(3,0)
Psychology of Women: PR: PSY 2012. Examination of the psychological impact of changing sex roles on women in modern society. Topics include child rearing, working women, and sex differences in personality and cognition. Fall, Spring.

SOP 3751
COS-PYCH
3(3,0)
Legal Aspects of Psychology: PR: PSY 2012 or SYG 2000; PFE 3003C or C.I. Ethical and legal dilemmas and issues in the practice of psychology. Fall.

SOP 3784
COS-PYCH
3(3,0)

SOP 5059
COS-PYCH
3(3,0)
Advanced Social Psychology: PR: SOP 3044C, graduate status or senior standing, or C.I. The major findings and theories in social psychology including an in-depth review of relevant research. Occasional.

SOW 2020
HPA-SOWK
3(3,0)
Careers in Creating Social Change: Introduces students to the field of social services, with emphasis on the social work profession and other careers that create social change. Fall.

SOW 3104
HPA-SOWK
3(3,0)

SOW 3111
HPA-SOWK
3(3,0)

SOW 3203
HPA-SOWK
3(3,0)
Social Work & Community Resources: PR: Jr. Standing, or C.I. The non-major, Generalist social work practice, including the structure of American social welfare, values and ethics of social work and community resources. Fall.

SOW 3300
HPA-SOWK
3(2,1)
Practice I: Generalist Practice in Social Work: PR: Admission to MSW program or C.I. Study of social work functions, knowledge, values, and skills. Development of ability to use a generalist model of practice. Fall.

SOW 3352
HPA-SOWK
3(1,2)
Practice II: Interpersonal Skills in Social Work: PR: SOW 3300. PR or CR: SOW 3300. Study and analysis of interviewing, group leadership, written communication, and oral presentations, in consensual as well as conflictual contexts of social work. Spring.

SOW 3401
HPA-SOWK
3(3,0)

SOW 3620
HPA-SOWK
3(3,0)

SOW 3740
HPA-SOWK
3(3,0)
Social Work Practice with Loss & Life's Transitions: PR: General Education completed and SOW 3104. A wide range of losses across the life span will be presented from a strengths perspective. Assessment & intervention recognizing cultural differences will be addressed. Fall.

SOW 4232
HPA-SOWK
3(3,0)

SOW 4341
HPA-SOWK
3(1,2)
Micro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving with individuals, families and supportive and remedial groups. Fall.

SOW 4343
HPA-SOWK
3(1,2)
Macro-Level Roles and Interventions in Social Work: PR: SOW 3300, SOW 3352. Study and simulated practice of roles and tasks in systemic problem solving to obtain and improve social welfare resources within organizations and communities. Fall.

SOW 4431
HPA-SOWK
3(2,1)

SOW 4510
HPA-SOWK
9(0,28)
Field Education: PR: Completion of required courses in major: GPA 2.5 in major, CR: SOW 4522. Supervised learning experiences in agencies that relate social work practice to theory, requiring 420 clock hours in the field. Graded S/U Spring.

SOW 4522
HPA-SOWK
3(2,1)
Field Education Seminar: PR: Completion of required courses in major: CR: SOW 4510. Weekly seminar to examine the field experience and to relate theory with practice situations. Spring.

SOW 4602
HPA-SOWK
3(3,0)
Social Work in Health Settings: PR: SOW 3300 and SOW 3104 or C.I. Study of social work roles, interventions, and issues related to helping patients in health settings. Fall.

SOW 4645
HPA-SOWK
3(3,0)
Social Services for the Elderly: PR: SOW 3300, SOW 3104, or Gerontology Certificate Major or C.I. Development of interventive skills for obtaining, providing, and improving social services in behalf of elderly persons and their families. Fall.

SOW 4650
HPA-SOWK
3(3,0)
Child Abuse: Treatment and Prevention: PR: SOW 3203 and Admission to MSW program or C.I. The social worker’s role and interventions with victims of child abuse and their family members. Spring.

SOW 4654
HPA-SOWK
3(3,0)

SOW 4673
HPA-SOWK
3(3,0)

SOW 4705
HPA-SOWK
3(3,0)
Prevention and Treatment of Adolescent Substance Abuse: PR: Admission to MSW program. Study 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 3203 and SOW 3302. For Social Work majors only. Development of documentation skills for the delivery of social work services in various agency settings. Fall.

SOW 4754
HPA-SOWK
3(3,0)
Forensic Social Work Theory and Practice: PR: SOW 3203 or C.I. The role of social workers within the courts and criminal justice system. Occasional.

SOW 5105
HPA-SOWK
3(3,0)
Human Behavior and Social Environment I: Individual: PR: Admission to MSW program. Study of human development and psychosocial functioning of individuals at various life stages with particular attention to implications of human diversity. Fall.

SOW 5106
HPA-SOWK
3(3,0)
Human Behavior and Social Environment II: Social Systems: Study of the patterns and dynamics of families, groups, organizations, and communities from a social work and a systems perspective. Spring.

SOW 5132
HPA-SOWK
3(3,0)
Diverse Client Populations: Study of human diversity, focusing on the roles of ethnic backgrounds, race and class, 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; introduces frameworks for analyzing social policies and services. Fall.

SOW 5305
HPA-SOWK
3(3,0)
Social Work Practice I: Generalist Practice: PR: SOW 3203. Study of social work functions, knowledge, values, roles and skills; the use of a generalist model of practice. Fall.

SOW 5306
HPA-SOWK
3(3,0)
Social Work Practice II: Intervention Approaches: Study of selected social work theories, strategies, and techniques for helping people and improving system responsiveness to human needs. Spring.

SOW 5355
HPA-SOWK
3(3,0)
Studies in Social Work Practice: PR: C.I. Analysis of one or more urban practice issues and approaches. May be repeated for credit. Occasional.
Continuation of SOW 5532 Generalist Field Education I


SOW 5533 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 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 5537 Generalist Field Education Integrative Seminar II: PR: Admission to MSW program. CR: Generalist Field Education II. Continuation of generalist field education integrative seminar I: PR: SOW 5305. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 250 clock hours. Graded S/U. Occasional.

SOW 5546 Generalist Field Education Integrative Seminar I: PR: Admission to MSW program. CR: Generalist Field Education I. Continuation of generalist field education integrative seminar II: PR: SOW 5306. Field education for full-time MSW generalist students; includes seminar and supervised practice of social work in an agency for 180 clock hours. Graded S/U. Occasional.


SOW 5555 Generalist Field Education: PR: SOW 5566. 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 Social Work Practice in Mexican Culture: PR: CI. The practice of social work in Mexican culture through cultural immersion, seminars, field visits and language instruction. Occasional.


PR: Admission to MSW program or Gerontology certificate program or CI. Knowledge about elderly in social situations or environmental context. Occasional.

SOW 5662 Strategies in Employee Assistance Programs: Techniques for establishing, providing, and evaluating services to people with problems which affect job performance. Occasional.


SPA 3011 Speech Science I: Production: PR: SPA 3112. CR: SPA 3011L. Study of how speech is produced, how it is transformed into an acoustic signal, and how that acoustic signal is measured. Fall, Spring.


SPA 3101 Physiological Bases of Speech and Hearing: PR: or CR: SPA 3471. Introduction to the anatomical, physiological, and physical elements underlying the communication process. Fall, Spring.


SPA 3112 Basic Phonetics: PR: SPA 3002, SPA 3112. Physiological descriptions and visual notation of standard speech patterns and regional dialects. Fall, Spring.


SPA 3412 Brain Stories: A Communication Disorders Perspective: PR: SPA 3471 (may be taken as corequisite) or PSY 3012 or CI. A case study approach to communicative-cognitive disorders due to brain injury. Fall, Spring.

SPA 3471 Communication Disorders in Literature and Media: PR: PSY 3012 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 Guidance of Young Children with Communication Disorders: PR: SPA 3471. Social/emotional and behavioral problems of children with communication disorders; positive child guidance and behavioral management strategies for clinicians and parents. Fall, Spring.

SPA 3632 Communication Disorders in the Deaf and Hard of Hearing Population: PR: ASL 2010 or CI. Speech, language, and hearing problems in the DHH population, including etiology, pathology, and management of hearing disorders. Occasional.

PR: Admission to MSW program. Graded S/U.

UCF Courses and Descriptions
Advanced Spanish Native Fluency II: PR: SPN 3344. Continuation of Advanced Spanish Native Fluency I emphasizing the remaining grammatical topics and composition skills. Spring.

Practice in Modern Spanish Grammar: PR: SPN 3241 or 3420. This intensive Spanish course will provide the advanced student with practice and drill in modern Spanish using native texts. Occasional.

Spanish Composition: PR: SPN 2201 or equivalent. Development of skills in composition. Fall, Spring.

Contemporary Spanish Culture Abroad: PR: SPN 2241 or SPN 3420. This course will focus on contemporary Spanish culture presented through classroom lectures and discussions, assigned reading and scheduled activities. Occasional.

Advanced Spanish Oral Communication: PR: SPN 2201 or SPN 2440 or equivalent. Vocabulary building with systematic training in diction and locution. Speeches and oral presentations as well as production and delivery of real-life dialogues. Fall, Spring.


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.

Advanced Spanish course PR: C.I. Advanced course in business terminology and development of advanced language skills. Odd Fall.

Advanced Spanish Conversation: PR: 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.

Spanish Morphosyntax: PR: SPN 3760, SPN 3420 and SPN 3300, or C.I. Emphasizes the structures as well as the capacity for recognizing the differences between semantics, morphology, syntax, and phonology in the Spanish language as well as the use and correct application of criterion when analyzing texts. Taught in Spanish. Occasional.

An analysis of the salient characteristics of Spanish culture and civilization. Occasional.

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.

Spanish and Seminominal Culture and Civilization: PR: Graduate status or senior standing or C.I. An overview of linguistic characteristics of Latin and its evolution into Spanish with historical development of phonetic, morphological, and syntactic properties. Occasional.

Spanish Dialectology: PR: Graduate status or senior standing or C.I. An introduction to main concepts and methods of analyses focusing on Spanish morphology, syntax, semantics, and phonology as well as dialectology and sociolinguistics. Odd Fall.

History of the Spanish Language: PR: Graduate status or senior standing or C.I. This course is a survey of the diversity found within the Spanish language with respect to phonological constraints, morphosyntax, second language influences, and historical development. Occasional.

Spanish Language and translation: PR: Completion of 2000 level sequence or equivalent. Introduction to translation and interpretation, practical applications of theory applied to professional written and audio texts from Spanish to English and from English to Spanish. Fall, Spring.

Spanish Translation and Interpretation: PR: SPN 3420. Translation and interpretation in mass communication using all forms of media. Even Spring.

Medical Spanish Translation/Interpretation: PR: SPN 2241 and SPN 3420. The basic Spanish terminology, techniques and ethics in the field of medical translation and interpretation. Odd Fall.

Spanish Legal Translation and Interpretation: PR: SPN 3420 and SPN 3420. The terminology, procedures and ethics required to be a Spanish language court interpreter and translator in the legal field. May be repeated for credit. Even Fall.
explore the universality of Spanish literature.

Through readings, students will examine the historical and cultural significance of Nobel-Prize-Winning writers. Students will analyze, discuss and research the relationships between the works of prominent writers from Central America. It covers the different literary periods within Central American literary history. Taught in Spanish. Occasional.

Survey of Spanish Literature I: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works from the Middle Ages through the Eighteenth century. Fall.

Survey of Spanish Literature II: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century to the present. Spring.

Survey of Latin-American Literature I: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century. Fall.

Survey of Latin-American Literature II: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century from Realism to the present. Spring.

Survey of Latin-American Literature III: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. Main literary currents and works of the Nineteenth century. Fall.


Spanish Short Story: Pr: SPN 3760, SPN 3420 and SPN 3300, or C.I. A study of representative 19th and 20th century Spanish short stories and their authors. Occasional.

20th Century Spanish Novel: Pr: SPW 3101 or SPW 3131 and C.I. A major work by the leading authors of the 20th century. Texts selected are studied not only for their aesthetic value, but also in terms of their historical and cultural significance. Occasional.


Contemporary Iberian Theatre: Pr: SPW 3101 or C.I. A study of the major playwrights and tendencies in contemporary Iberian theatre. Occasional.

Latin-American Narrative/Essay: Pr: SPW 3100 or SPW 3130 or SPW 3131 or SPW 3370 or C.I. Study of Latin-American narrative/essay (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

Latin-American Theatre/poetry: Pr: SPN 3105 or SPW 3130 or SPW 3131 or SPW 3370. Study of Latin-American theatre/poetry (changing topics by semester) with emphasis in 20th century texts, contrasting techniques, procedures, and literary theories. May be repeated for credit only when course content is different. Occasional.

Central American Literature: Pr: SPW 3131 or C.I. This course familiarizes the student with literary works of prominent writers from Central America. It covers the different literary periods within Central America literary history. Taught in Spanish. Occasional.

Spanish Literary Theory: Pr: SPW 3100 and SPW 3101, or C.I. A study of text with emphasis on the theory of literary criticism with emphasis on the theory of genre. Occasional.

Nineteenth Century Spanish Literature: Pr: SPW 3101 or C.I. A study of the representative authors and works in Spanish Romanticism, Realism, and Naturalism. Occasional.

The Generation of 1898: Pr: SPW 3101 or C.I. A study of the generation's main authors and their works. Occasional.

Hispanic Literature of the United States: Pr: SPW 3101 or SPW 3131 or C.I. Reading and study of outstanding works written by Hispanic writers of the United States. Occasional.

Caribbean Spanish Literature: Pr: SPW 3101 or SPW 3131 or C.I. An overview of the literature of the Spanish-speaking Caribbean countries from colonial times to the present. Occasional.

Black Presence in Contemporary Latin American Literature: Pr: SPW 3101 or SPW 3131 or C.I. A study of the works of prominent black writers from the Caribbean. Offered in Spring. Occasional.


Contemporary Spanish American Southern Cone Literature: Pr: Enrolled in Spanish M.A. Program or C.I. Regional as well as international literary cultures and disciplines in southern cone literature. Occasional.

Jewish Culture in Latin America: Pr: SPW 3131 or C.I. M.A. program or graduate student proficient in Spanish. History of the arrivals of Jews in Latin America and studies of Latin-American Jewish authors and literature. Will be taught in Spanish, including all readings. Occasional.

Teaching Social Science in the Elementary School: Pr: EDG 4410 or C.I. Selected themes, problems, and concepts; organizing for instruction; techniques, evaluation procedures. Fall, Spring.

Social Science Instructional Analysis: Pr: EDG 4203 or C.I. Corequisite: ESE 3940 or C.I. Analysis of secondary (grades 6-12) social science instructional programs including development of objectives, materials, processes, and assessment procedures in light of current research and practice. Fall, Spring.

Programs in Teaching Social Science: Pr: Admission to the Bachelor of Science in Social Science Education program. Special programs, strategies, and materials for middle and secondary social science majors. Fall.

Global Education: Theory and Practice: Pr: Graduate standing or C.I. Theoretical underpinnings of teaching about the world along with a variety of theoretically grounded teaching strategies for engaging students in global education. Spring.

Democracy and Education: Pr: Graduate standing or C.I. Discussion of the intersection of theory and practice with regard to promoting democratic life in schools. Will examine competing theories of democracy and education, investigate problem areas in schools related to democracy, and consider examples of practice. Fall.

Inquiry and Instructional Analysis in Social Science Education: Pr: Admission to M.A. program or alternative certification certificate program. Study of instructional strategies in social science education and related scholarship; development of an inquiry about the intersection of theory and practice in social science teaching. Occasional.

Basic Statistics Using Microsoft Excel: Applications of Excel, manipulating data: single variable graphs and statistics; scatterplots; probability distributions; statistical inference. Fall, Spring.

Principles of Statistics: Introduction to statistical concepts in modern society. Basic principles, frequency distributions, measures of location and dispersion, probability, statistical inference. The "NC" grading policy applies to this course. Fall, Spring.

First methods course introducing probability and statistical inference, including estimation, hypothesis testing, binomial and normal distributions, sample size. Fall, Spring.

Honors Statistical Methods I: Pr: Permission of Honors; Calculus desired by not necessary. Same as STA 2023 with honors-level content. Fall, Spring.

Honors Statistical Methods II: Pr: MAC 1105C or MGF 1106. Same as STA 2024 with honors-level content. Fall, Spring.

Probability and Statistics for Engineers: Pr: MAC 2312. Axions of probability; combinatorial and geometrical probability; probability distributions; measures of location and dispersion; sampling and sampling distributions; estimation and tests of hypotheses; engineering applications. Fall, Spring.

Honors Probability and Statistics for Engineers: Pr: MAC 2312 and honors standing. Fundamental probability and statistical principles, the underlying assumptions, the procedures for implementing and interpreting them. With honors content. Fall, Spring.


Computer Processing of Statistical Data: Pr: STA 4163 and knowledge of a programming language. Use of packages such as SAG, SMD, SPSS for data validation, description and analysis of data, regression and analysis of variance and covariance. Fall.

Life Contingencies I: Pr: STA 4183 (or old number STA 3183). Economics of insurance, utility theory, single premium for insurances and annuities in both discrete and continuous cases. Net annual premium and net premium reserves. Fall.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>SYA 4450</td>
<td>COS-SOC</td>
<td>4(3,2)</td>
<td>Data Analysis: PR: SYA 4300C and SYA 3400C. Advanced statistical research design and analytical skills. Emphasis on social data management, various modes of social data analysis, interpretation, integration, presentation, and report writing. Fall.</td>
</tr>
<tr>
<td>SYA 5625</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>ProSeminar: PR: Graduate standing or C.I. Survey of conceptual issues, methodological concerns, and findings in substantive sociological areas that currently dominate scholarly inquiry, including such topics as crime, deviance, community, alcoholism, education. Fall.</td>
</tr>
<tr>
<td>SYA 5652</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Advanced Population: PR: Graduate standing or C.I. Examines the theories, methods, and information utilized by demographers and focuses on techniques of application of those skills. Occasional.</td>
</tr>
<tr>
<td>SYD 3700</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Race and Ethnicity: PR: SYG 2000 or C.I. Theoretical analysis of the emergence, maintenance, and disruption of patterns of racial and ethnic stratification. Fall, Spring.</td>
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<tr>
<td>SYD 3750</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Contemporary Social Issues and North American Indian: PR: SYG 2000 level social science or C.I. Examination of North American Indian sovereignty and current issues including economic development, education, freedom of religion, child welfare, federal/state/tribal relations and environment. Occasional.</td>
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<tr>
<td>SYD 3751</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>North American Indian Women Today: PR: 2000 level social science course or C.I. Examination of works of modern North American Indian women within context of historical rights. Issues include myths, gender roles, coerced sterilization, child welfare, and economic opportunities. Occasional.</td>
</tr>
<tr>
<td>SYD 3752</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Modern Law in Indian Country: PR: 2000 level social science course or C.I. Examination of impact of unique legal relationship between American Indian govern-ments and state federal governments. Legal issues include criminal justice, child welfare, and land ownership. Occasional.</td>
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<tr>
<td>SYD 3800</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sex and Gender in Society: PR: SYG 2000 or C.I. The traditional and changing roles of women and men viewed in a sociological perspective. Fall, Spring.</td>
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<tr>
<td>SYD 4510</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Environment and Society: PR: SYG 2000 or C.I. Applies the sociological perspective and sociological methods of analysis to the relationships between human behavior and the environment. Odd Spring.</td>
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<tr>
<td>SYD 4514</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Environmental Movement: PR: SYG 2000 or SYG 2010 or C.I. Origins, evolution, current status and societal impacts of the environmental movement via sociological theory, concepts and research on social movements. Occasional.</td>
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<tr>
<td>SYD 4810</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Women in Contemporary Society: PR: SYG 2000 or WST 3015 or C.I. Examination and evaluation of the status of women in the context of the major social institutions (e.g., family, education, religion, economy and polity). Fall, Spring.</td>
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<tr>
<td>SYD 5517</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Environment and Society: PR: Graduate standing or C.I. The application of sociological theory and methods to the relationships between communities, societies, and the environment. Occasional.</td>
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<tr>
<td>SYD 5795</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Class, Race, and Gender in American Society: PR: Graduate standing or C.I. Using theoretical and empirical studies, this course will provide a sociological examination of the intersections of race, class, and gender in American society. Occasional.</td>
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<tr>
<td>SYG 2000</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Introduction to Sociology: Scientific study of socio- logical concepts, theories, processes, and methods used in understanding contemporary human behavior in group interaction. Fall, Spring.</td>
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<tr>
<td>SYG 2000H</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>General Sociology: PR: Permission of Honors. Extensive honors work in the field of Sociology. Expectations, requirements, and standards are greater than for standard General Sociology. Fall, Spring.</td>
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<tr>
<td>SYG 2010</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Social Problems: PR: SYG 2000 or SYG 2010 or C.I. Social problems include major social problems such as mental disorders, sexual deviance, racial discrimi- nation, poverty, community disorganization, and violence. Fall, Spring.</td>
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<tr>
<td>SYG 3949</td>
<td>COS-SOC</td>
<td>0(0,8)</td>
<td>Cooperative Education in Sociology: PR: Departmental approval required before registering. Cooperative education experience in sociology. Graded S/U. May be repeated for credit. Occasional.</td>
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<tr>
<td>SYG 3000</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Contemporary Society: PR: SYG 2000 or SYG 2010 or C.I. The relationship between law and society, including legal issues given to the nature of the popular music business. 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.</td>
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<tr>
<td>SYG 3510</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>SYG 3515</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>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.</td>
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<tr>
<td>SYG 3520</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Criminology: PR: SYG 2000 or SYG 2010 or C.I. A critical examination of the nature and the relationship between crime and society; major criminological theories, and problems of crime prevention and control. Fall, Spring.</td>
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<tr>
<td>SYG 3530</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Juvenile Delinquency: Types of delinquency behavior among juveniles: possible causes and ways society attempts to treat the various forms of delinquency. Occasional.</td>
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<tr>
<td>SYG 3540</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Sociology of Law: PR: SYG 2000 or SYG 2010 or C.I. The relationship between law and society, including the functions of law and its organization, social and eco- nomic consequences, jury selection, and modern trends. Occasional.</td>
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<tr>
<td>SYG 3602</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Patterns of Popular Music in Society: PR: SYG 2000 or SYG 2010 or C.I. The role of popular music in social change and in reflecting American culture. Consideration is given to the nature of the popular music business. Occasional.</td>
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<tr>
<td>SYG 3630</td>
<td>COS-SOC</td>
<td>3(3,0)</td>
<td>Popular Culture In Society: PR: Junior Standing or C.I. Examines the relationship between contemporary popular culture and social institutions, collective identities, social change, gender, ethnicity, and age. Occasional.</td>
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<tr>
<td>Course Code</td>
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<tr>
<td>TPA 2000C</td>
<td>CAH-THEA</td>
<td>Theatre Design Basics: PR: BFA Design/tech or Stage Management major, C (2.0) or better required in THE 2020 or THE 2000. Basic design skills for scenic, lighting and costume designers using color, grayscales, textures and symmetry to create a strong stage presence. Fall.</td>
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<tr>
<td>TPA 2010C</td>
<td>CAH-THEA</td>
<td>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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<tr>
<td>TPA 2071C</td>
<td>CAH-THEA</td>
<td>Theatre Rendering: PR: &quot;C&quot; (2.0) or better in TPA 2000C. Specific rendering techniques used to create visual images for scenic, lighting, and costume designers. Spring.</td>
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<tr>
<td>TPA 2170C</td>
<td>CAH-THEA</td>
<td>Introduction to Theatre Production Documentation: PR: CGS 1060C. Presentation of information necessary to document design and production process. Spring.</td>
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<tr>
<td>TPA 2201I</td>
<td>CAH-THEA</td>
<td>Stagecraft I: PR: BFA Design/tech or Stage Management, CR: TPA 2210L. Development, theory and practice of all areas of technical theatre production. Fall.</td>
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<tr>
<td>TPA 2220C</td>
<td>CAH-THEA</td>
<td>Stage Electronics: PR: or CR: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Introduction to electronics for the stage, including electricity, lighting equipment and sound equipment. Fall, Spring.</td>
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<tr>
<td>TPA 2230C</td>
<td>CAH-THEA</td>
<td>Costume Construction: PR: THE 2020 or THE 2000 and BFA Design and Technology or Stage Management major. Lecture/laboratory study of the basic techniques used in the construction of stage costumes. Spring. M&amp;S fee $15.00</td>
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<tr>
<td>TPA 2248C</td>
<td>CAH-THEA</td>
<td>Makeup Techniques: PR: Theatre B.F.A. major or departmental consent. Theory and practice of stage makeup. Fall, Spring. M&amp;S fee $8.00</td>
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<tr>
<td>TPA 2290L</td>
<td>CAH-THEA</td>
<td>Theatre Participation-Production I: PR: Theatre major or minor. Participation in UCF Theatre productions. May be used in the degree program a maximum of 5 times. Occasional.</td>
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<tr>
<td>TPA 2600H</td>
<td>CAH-THEA</td>
<td>Stage Management Basics: PR: &quot;C&quot; (2.0) or better in THE 2020 or THE 2000 and BFA Stage Management major. Functions and responsibilities of professional stage managers. Occasional.</td>
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<tr>
<td>TPA 3040C</td>
<td>CAH-THEA</td>
<td>Costume Design for Theatre I: PR: &quot;C&quot; (2.0) or better in TPA 2000C. Projects in the fundamentals of costume design for the stage. Fall.</td>
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<tr>
<td>TPA 3060C</td>
<td>CAH-THEA</td>
<td>Scenic Design for Theatre I: PR: &quot;C&quot; (2.0) or better in TPA 2000C. Projects in the fundamentals of scenic design for the stage. Fall. M&amp;S fee $37.00</td>
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<tr>
<td>TPA 3077C</td>
<td>CAH-THEA</td>
<td>Scene Painting: PR: &quot;C&quot; (2.0) or better in TPA 2000C and TPA 2071C. Projects in scene painting techniques. Fall. M&amp;S fee $45.00</td>
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<tr>
<td>TPA 3195L</td>
<td>CAH-THEA</td>
<td>Summer Theatre Studio/tech/design I: PR: Departmental consent by audition or interview. Completion of TPA 3195L. May be repeated for credit. Occasional. M&amp;S fee $20.00</td>
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<tr>
<td>TPA 3360C</td>
<td>CAH-THEA</td>
<td>Sound Design for Theatre I: PR: &quot;C&quot; (2.0) or better in TPA 2010C and TPA 2220C. Projects in the fundamentals of sound design for the stage. Spring.</td>
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<tr>
<td>TPA 3383C</td>
<td>CAH-THEA</td>
<td>Topics in Technical Theatre: PR: TPA 2220C. 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&amp;S fee $35.00</td>
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<tr>
<td>TPA 3601</td>
<td>CAH-THEA</td>
<td>Stage Management: PR: &quot;C&quot; (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.</td>
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<tr>
<td>TPA 4041C</td>
<td>CAH-THEA</td>
<td>Costume Design for Theatre II: PR: &quot;C&quot; (2.0) or better in TPA 3040C. A continuation of TPA 3040C. Spring.</td>
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<tr>
<td>TPA 4061C</td>
<td>CAH-THEA</td>
<td>Scenic Design for Theatre II: PR: &quot;C&quot; (2.0) or better in TPA 3060C. Project scene design work with an emphasis on design visualization, communication and professional standards and practices. Spring. M&amp;S fee $37.00</td>
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<tr>
<td>TPA 4066C</td>
<td>CAH-THEA</td>
<td>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.</td>
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<tr>
<td>TPA 4224C</td>
<td>CAH-THEA</td>
<td>Lighting Design for Theatre II: PR: &quot;C&quot; (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&amp;S fee $37.00</td>
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<tr>
<td>TPA 4250C</td>
<td>CAH-THEA</td>
<td>CADD for Theatre: PR: &quot;C&quot; (2.0) or better in TPA 2111, TPA 2114, and TPA 2170C. Computer-aided drafting and design and its application for Theatre. Occasional. M&amp;S fee $23.00</td>
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<tr>
<td>TPA 4251C</td>
<td>CAH-THEA</td>
<td>Advanced CADD for Theatre: PR: &quot;C&quot; (2.0) or better in TPA 4250C. Advanced computer-aided drafting and design and its application for Theatre. Spring. M&amp;S fee $38.75</td>
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<tr>
<td>Course Code</td>
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<td>Units</td>
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<td>TPA 4264C</td>
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<td>TPA 4293L</td>
<td>CAH-THEA 1(0,VAR)</td>
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<td>TPA 4384C</td>
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<td>TPA 4400</td>
<td>CAH-THEA 3(3,0)</td>
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<td>TPA 4602</td>
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<td>TPA 5029C</td>
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<td>TPA 5042C</td>
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<td>TPA 5062C</td>
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<td>TPA 5081C</td>
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<td>TPA 5085C</td>
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<td>TPA 5175C</td>
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<td>TPA 5346C</td>
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<tr>
<td>TPA 5880C</td>
<td>CAH-THEA 2(2,2)</td>
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<tr>
<td>TPA 5890C</td>
<td>CAH-THEA 2(2,2)</td>
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**UCF Courses and Descriptions**

- **TPA 4264C** Design Seminar for Theatre: A study of design elements (lighting, costume, set) as they apply to theatre design. Occasional.
- **TPA 4293L** Theatre Participation-Production II: A project sound design workshop with an emphasis on design communication and professional standards and practices. Occasional.
- **TPA 4384C** Advanced Topics in Technical Theatre: C or better in TPA 2210L. Participation in UCF Theatre Production programs. May be used in the degree program a maximum of 6 times. Fall, Spring. M&S fee $15.00
- **TPA 4400** Theatre Management: 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** Theatre Careers in Production: B.F.A. Design/Technical Theatre major, Junior standing. Techniques to secure employment in technical theatre, design, and stage management. Spring.
- **TPA 4602** Theatre Management: 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 5029C** Lighting Design Studio: C or better in TPA 3810L. Skills necessary for stage managers in contemporary entertainment. Fall.
- **TPA 5042C** Costume Design Studio: C or better in TPA 3810L. Skills necessary for stage managers in contemporary entertainment. Fall.
- **TPA 5062C** Scene Design Studio: C or better in TPA 3810L. Skills necessary for stage managers in contemporary entertainment. Fall.
- **TPA 5081C** Design Concepts for Youth Theatre: C or better in TPA 3810L. Study of design elements (lighting, costume, set) as they apply to youth theatre. Fall.
- **TPA 5085C** Design Seminar for Theatre: C or better in TPA 3810L. Study of design elements (lighting, costume, set) as they apply to youth theatre. Fall.
- **TPA 5095C** Rendering for Theatre I: C or better in TPA 3810L. Traditional visual communication skills necessary for scenic, costume, and lighting design. Fall.
- **TPA 5175C** Rendering for Theatre II: C or better in TPA 5065C. Software and technology available for visual communication and documentation. Spring.
- **TPA 5345C** 2D Computer Assisted Design for Theatre: C or better in TPA 3810L. Study of design elements (lighting, costume, set) as they apply to theatre design. Spring.
- **TPA 5346C** 3D Modeling for Theatre: C or better in TPA 3810L. Study of design elements (lighting, costume, set) as they apply to theatre design. Spring.
- **TPA 5400** Theatre Management for Non-Majors: C or better in THE 2000 or THE 2020. Study of univer-
sity, community and professional theatre management with special attention to the principles of management to include management skills/function and organizational systems/performances as they relate to theatre organizations/insti-
tutions. Fall.
- **TPA 5401C** CAH-THEA 3(2,2) Theatre Participation-Production II: C or better in TPA 2210L. Participation in UCF Theatre Production programs. May be used in the degree program a maximum of 6 times. Fall, Spring. M&S fee $15.00
- **TPA 5405** Design Practicum I: C or better in TPA 3810L. Practical experience as a member of the student team on scansion and verse in the plays of William Shakespeare. Fall, Spring.
- **TPA 5425** Design Practicum II: C or better in TPA 3810L. Practical experience as a member of the student team on scansion and verse in the plays of William Shakespeare. Fall, Spring.
- **TPA 5442C** Advanced Stage Management: C or better in TPA 3810L. Study of stage management theory and style. Fall, Spring.
- **TPA 5462** Advanced Stage Management: C or better in TPA 3810L. Study of stage management theory and style. Fall, Spring.
- **TPA 5485C** Advanced Stage Management: C or better in TPA 3810L. Study of stage management theory and style. Fall, Spring.
- **TPA 5496C** Design Practicum I: C or better in TPA 3810L. Practical experience as a member of the student team on scansion and verse in the plays of William Shakespeare. Fall, Spring.
- **TPA 5642C** Musical Theatre Theatre I: C or better in TPA 3810L. Practical experience as a member of the student team on scansion and verse in the plays of William Shakespeare. Fall, Spring.
- **TPA 5650C** Musical Theatre Theatre II: C or better in TPA 3810L. Practical experience as a member of the student team on scansion and verse in the plays of William Shakespeare. Fall, Spring.
- **TPA 5662C** Musical Theatre Theatre III: C or better in TPA 3810L. Practical experience as a member of the student team on scansion and verse in the plays of William Shakespeare. Fall, Spring.
TPP 4221 CAH-THEA 3(3.0)
Auditioning: PR: "C" (2.0) or better in TPP 2710C. Selection of monologues, auditioning techniques and cold readings. Spring.

TPP 4233 CAH-THEA 3(3.2)
Theatre Careers for Performance: PR: B.F.A. Acting and Musical Theatre major, Junior standing. Techniques needed to secure employment in performance or related fields. Spring.

TPP 4243 CAH-THEA 3(2.2)
Circus Arts: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2102C and THE 2000 or THE 2020. Circus history and introduction to a wide range of circus skills. Occasional.

TPP 4244 CAH-THEA 3(2.2)
The Art of Storytelling: PR: Theatre major or minor; "C" (2.0) or better in TPP 2101 or TPP 2102C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TPP 4253 CAH-THEA 3(2.2)
Musical Theatre Acting III: PR: B.F.A. Musical Theatre major, and a "C" (2.0) or better in TPP 3252 and TPP 3256C. Advanced work in cabaret-personal construction and performance with an emphasis on show preparation. Occasional.

TPP 4259 CAH-THEA 2(2.2)
Musical Theatre Voice III: PR: "C" (2.0) or better in TPP 3252C, an overview of Broadway musicals, working with original material, and the development of unique vocal challenges in musical theatre. Individualized instruction. Spring.

TPP 4265 CAH-THEA 3(3.2)
Camera Acting: PR: "C" (2.0) or better in TPP 4142C. Application of previous acting training at the TV/Film medium. Occasional.

TPP 4268 CAH-THEA 3(3.2)
Acting VII Advanced Acting For TV/Film: PR: "C" (2.0) or better in TPP 4256C. A practical, detailed, and structured approach to acting for the camera by working on a TV/Film project. Spring.

TPP 4270 CAH-THEA 2(2.2)
Music Theatre Voice V: PR: "C" (2.0) or better in TPP 4255C. Advanced diagnosis and development of the singing voice and its application to musical theatre performance. Individualized instruction. Spring.

TPP 4271 CAH-THEA 2(2.2)
Music Theatre Voice VI: PR: "C" (2.0) or better in TPP 4270C. Continuation of TPP 4270C and its application to musical theatre performance. Individualized instruction. Fall.

TPP 4311 CAH-THEA 3(2.2)
Advanced Directing for Theatre: PR: "B" (3.0) or better grade in TPP 3310C. Practical experience directing classical scenes and projects. Spring.

TPP 4512 CAH-THEA 2(2.2)
Stage Combat: PR: B.F.A. Acting or Musical Theatre major, grade of "C" (2.0) or better in TPP 3711C, and Senior standing. Stage combat with emphasis on hand-to-hand combat. Occasional.

TPP 4531 CAH-THEA 2(2.1)
Period Movement: PR: Grade of C (2.0) or better required in TPP 3112C. Continuation of Movement/Dance work. Emphasis given to period styles. Fall.

TPP 4570 CAH-THEA 2(2.1)
Dialects: PR: Grade of "C" (2.0) or better required in TPP 3711C. Analysis of dialects and regionalisms, reinforcing the study of phonetics, placement, and vocal apparatus. Occasional.

TPP 4746 CAH-THEA 2(2.2)
Musical Theatre Repertoire: PR: Theatre major and grade of "C" (2.0) or better in TPP 3547C. Advanced musical theatre repertoire study in preparation for professional auditions. May be used in the degree program a maximum of 6 times. Occasional.

TPP 4923C CAH-THEA 2(2.2)
Musical Theatre Voice IV: PR: "C" (2.0) or better in TPP 4268C. Continuation of diagnosis and development of the singing voice using patter song, in-context and out-of-context presentation, stylization utilizing musical theatre repertoire. Individualized instruction. Fall.

TPP 4940L CAH-THEA 6(0,VAR)
Theatre Internship: PR: Restricted to B.F.A. Theatre majors, and Junior standing. Subject to Department approval. Off-campus internship programs in professional theatre. Required of all B.F.A. theatre majors. Fall, Spring.

TPP 5125C CAH-THEA 2(2.2)
Improvisation Studio: PR: Acting for Youth Theatre. A study of spontaneous dramatic play and theatre exercises designed to develop self-discipline, creative freedom and resources for the stage and classroom. Odd Fall.

TPP 5156C CAH-THEA 3(2.2)
Acting Studio II: PR: Admission to Theatre MFA Acting or Musical Theatre Track. An advanced scene study course with emphasis on scene analysis and character development and application of acting techniques in modern contemporary American plays. Fall.

TPP 5157C CAH-THEA 3(2.2)
Acting Studio II: PR: TPP 5156C. Advanced scene study course applying acting methodologies to the works of modern (1800-1950) European playwrights with emphasis on the works of Ibsen/Chékhov/ Shaw. Spring.

TPP 5246C CAH-THEA 2(2.2)
Circus Arts: PR: Admission to Theatre graduate program or C.I. Circus skills and history. Even Spring.

TPP 5248C CAH-THEA 2(2.2)
Storytelling as a Theatrical Art Form: PR: Admission to Theatre graduate program or C.I. Application of storytelling as an art form. Spring.

TPP 5273 CAH-THEA 2(2.0)
Musical Theatre Acting I: PR: TPP 5156C. Integrated study in musical theatre acting, singing and movement applied to musical theatre performance, direction and choreography; emphasizing developing skills in textual and musical interpretation. Occasional.

TPP 5283C CAH-THEA 2(2.3)
Acting Methodologies: PR: Admission to the graduate program in Theatre or C.I. Approaches to acting. Even Fall.

TPP 5386C CAH-THEA 3(3.3)
Directing for Young Audiences: PR: THE 5910 and THE 5385. Study of the principles, procedures, and practices of staging direction as it applies to theatre for young audiences. Odd Spring.

TPP 5515 CAH-THEA 2(2.0)
Movement Studio II: PR: TPP 5515 or C.I. Principles and methods of movement for the stage focusing on gaining specific knowledge and skills in period styles of movement and basic unamed combat. Spring.

TPP 5516C CAH-THEA 2(2.1)
Musical Theatre Dance I: PR: TPP 5546C. Advanced dance study with particular emphasis on the development and expression of characterization in dance. Spring.

TPP 5715C CAH-THEA 2(2.1)
Stage Voice I: PR: Admission to MFA Performance program and TPP 5716C or C.I. Continuation of Graduate Voice Production. A study of the development and singling of the stage voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5716C CAH-THEA 2(2.1)
Stage Voice II: PR: Admission to the MFA Performance program and TPP 5716C or C.I. Continuation of Graduate Voice Production I. A study of the development and singling of the stage voice and its application to musical theatre performance placing particular emphasis upon vocal technique. Fall.

TPP 5754 CAH-THEA 2(2.0)
Musical Theatre Voice I: PR: Admission to MFA Musical Theatre Program. A study of the development and singling of the stage 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: "C" (2.0) or better in TPP 2101 or TPP 2110C and THE 2000 or THE 2020. Application of theatrical storytelling as an art form. Occasional.

TSL 4089 ED-TL&L 3(3.0)
Theory and Practice of Teaching ESOL Students in Schools: PR: Junior standing or C.I. Focuses on methods of teaching English to Speakers of Other Languages (ESOL) as well as its application tosecond language teaching, and test and evaluation of ESOL. Fall, Spring.

TSL 4240 CAH-LANG 3(3.0)

TSL 4363 CAH-LANG 3(3.0)
ESL Classroom Experiences: PR: TSL 3346 or C.I. Focuses on teaching English conversation. Includes micro-teaching in class as well as 25 hours of experience working with non-native speakers. Spring.

TSL 5085 ED-TL&L 3(3.0)
Teaching Language Minority Students in K-12 Classrooms: PR: Admission to College of Education Master of Arts Program or C.I. Teaching K-12 limited English proficient (LEP) students. Florida standards regarding cross-cultural communication, ESOL curriculum, and materials, ESOL methodology, testing and evaluation of ESOL students, applied linguistics. Fall, Spring.

TSL 5325 CAH-LANG 3(3.0)
ESOL Strategies: PR: Graduate status or senior standing or C.I. This course will 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-TL&L 3(3.0)
Methods of ESOL Teaching: This course is designed to develop understanding, knowledge and skills of the current methods used in the teaching of ESOL. Fall, Spring.

TSL 5376 CAH-LANG 3(3.0)
Reading and Writing in a Second Language: PR: Graduate standing or C.I. Theoretical and pedagogical approaches to ESOL reading and writing. Occasional.

TSL 5380 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-TL&L 3(3.0)
ESOL Cultural Diversity: This course is designed to identify major cultural groups represented by the LEP population in Florida schools and to understand their special needs. Occasional.
TSL 5601 CAH-LANG 3(3,0)  
Second Language Vocabulary Learning: PR: Graduate standing or C.I. Considered lexical issues encountered by second language learners; explores best practices for learners and their teachers and examines current research for pedagogical application. 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 3810 ECS-CECE 3(3,0)  
Highway Engineering: PR: STA 3032 with a grade C (2.0) or better. Three functional classifications are covered: planning, design and operation of transportation facilities. Emphasis is on the highway transportation mode. Fall, Spring.

TTE 4004 ECS-CECE 4(4,0)  
Transportation Engineering: PR: SUR 3613 and STA 3032. Investigation of highway and transportation systems. Approaches to planning, design, operation and administration of transportation networks. Fall, Spring.

TTE 4274 ECS-CECE 3(3,0)  
Transportation Information Systems: PR: TTE 3810 with a grade of C (2.0) or better. Topics such as safety, Intelligent Transportation Systems, and airport transportation will be covered. Fall, Spring.

TTE 4601C ECS-CECE 2(2,2)  
Urban Systems Design: PR: TTE 3810 with a grade of C (2.0) or better and department consent. Project design course covering principles/techniques of planning, traffic analysis, and highway design. Including projecting traffic volumes, laying out of roadways, and designing of alignments/intersections. Occasional. M&S fee $25.00

TTE 5204 ECS-CECE 3(3,0)  
Traffic Engineering: PR: TTE 4004. Study of operator and vehicle characteristics, and design for street capacity, signs, signals and markings. Occasional.

TTE 5700 ECS-CECE 3(3,0)  

TTE 5805 ECS-CECE 3(3,0)  
Geometric Design of Transportation Systems: PR: TTE 4004 or C.I. Study of highway geometric design in the engineering of transportation systems. Occasional.

TTE 5835 ECS-CECE 3(3,0)  
Pavement Design: PR: CEG 4011C. Pavement types, wheel loads, stresses in pavement components; design factors such as traffic configurations, environment, and economy. Occasional.

VIC 3001 COS-COMM 3(3,0)  
Visual Communication: PR: SPC 1608 or SPC 1602 or COM 1000. A study of human visual systems and influences of visual media on modern society. Fall, Spring.

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 2012H CAH-HIST 3(3,0)  
World Civilization I - Honors: PR: Permission of Honors. The rise and decline of world civilizations from antiquity to the great civilizations of medieval times. Honors content. Occasional.

WOH 2022 CAH-HIST 3(3,0)  
World Civilization II: 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.

WST 3015 CAH-WOM 3(3,0)  
Introduction to Women's Studies: PR: ENC 1102 or C.I. A interdisciplinary course introducing students to key issues and problems regarding women and gender relations in past and present societies. Fall, Spring.

WST 3015H CAH-WOM 3(3,0)  

WST 3020 CAH-WOM 3(3,0)  
Girls' Studies: PR: ENC 1102. Girl's Studies, an emerging field within Women's Studies, focuses on the material experiences of girls in U.S. and global cultures using academic and popular texts. Occasional.

WST 3371 CAH-WOM 3(3,0)  
Women and Leadership: PR: ENC 1102. Interdisciplinary, feminist perspectives on women and leadership, examining issues such as gender differences in leadership styles, obstacles to women leaders, and learning from women leaders. Occasional.

WST 3460 CAH-WOM 3(3,0)  
Women, Race and Struggle: PR: ENC 1102 or C.I. Interdisciplinary study of issues, perspectives, and scholarship by and about women of color. Occasional.

WST 3460H CAH-WOM 3(3,0)  

WST 3500 CAH-WOM 3(3,0)  
Gender Issues and Community Activism: PR: WST 3015 or C.I. Feminist perspectives applied to current community issues. Interdisciplinary analysis through service learning and field research. Issues will vary. May be repeated for credit. Occasional.

WST 3522 CAH-WOM 3(3,0)  
First and Second Wave Feminisms: PR: ENC 1102. History of Western feminist thought, from the late eighteenth century to the 1960s, 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 feminist perspectives, examining issues of race, class, sexuality, and violence, as well as constructions of masculinity in sports, family, and other institutions. Occasional.

WST 4002 CAH-WOM 3(3,0)  
Research in Women and Gender: PR: WST 3015 or C.I. Examination of scholars and research in a variety of areas pertaining to the study of women and gender relations. Occasional.

WST 4021 CAH-WOM 3(3,0)  

WST 4022 CAH-WOM 3(3,0)  

WST 4349 CAH-WOM 3(3,0)  

WST 4415 CAH-WOM 3(3,0)  

WST 5347 CAH-WOM 3(3,0)  
Research Seminar in Gender Studies: PR: Graduate status or senior standing, or C.I. Research seminar exploring relationships among feminist theorizing, research, and social change, the development of gender studies programs and their relationships to other academic disciplines. Occasional.

WST 5601 CAH-WOM 3(3,0)  
Theories in Gender Studies: PR: Graduate standing, Gender Studies graduate certificate standing, or C.I. Foundation scholarship in gender studies, with emphasis on theoretical and interdisciplinary approaches to gender and sexuality. Even Fall.

ZOO 3701C COS-BIOL 5(3,6)  
Comparative Vertebrate Anatomy: PR: ZOO 3733. Dissection techniques of the human body to teach 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 $70.00

ZOO 3713C COS-BIOL 5(3,6)  
Comparative Vertebrate Anatomy: PR: ENC 1102, Fall, Spring. M&S fee $15.00

ZOO 3733C COS-BIOL 4(3,3)  
Comparative Vertebrate Anatomy: PR: ENC 1102 or C.I. Examination of the vertebrate animals, relationships of organs and systems, and their phylogenetic significance. Even Spring. M&S fee $65.00

ZOO 3733H COS-BIOL 4(3,3)  
Comparative Vertebrate Anatomy: PR: ENC 1102 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 COS-BIOL 4(3,3)  
Comparative Vertebrate Anatomy: PR: ENC 1102, C.I. Comparative anatomy for exercise physiology majors. Fall. M&S fee $15.00

ZOO 3744 COS-BIOL 3(3,0)  
Comparative Vertebrate Anatomy: PR: ENC 1102, C.I. Comparative anatomy for exercise physiology majors. Fall. M&S fee $15.00

ZOO 4310C COS-BIOL 4(3,3)  
Comparative Vertebrate Anatomy: PR: ENC 1102, C.I. Comparative anatomy for exercise physiology majors. Fall. M&S fee $85.00

ZOO 4310C COS-BIOL 4(3,3)  
Comparative Vertebrate Anatomy: PR: ENC 1102, C.I. Comparative anatomy for exercise physiology majors. Fall. M&S fee $85.00

ZOO 4480 COS-BIOL 4(3,0)  
Comparative Vertebrate Anatomy: PR: ENC 1102, C.I. Comparative anatomy for exercise physiology majors. Fall. M&S fee $85.00

ZOO 4513 COS-BIOL 3(3,0)  
Comparative Vertebrate Anatomy: PR: ENC 1102, C.I. Comparative anatomy for exercise physiology majors. Fall. M&S fee $85.00

ZOO 4513 COS-BIOL 3(3,0)  
Comparative Vertebrate Anatomy: PR: ENC 1102, C.I. Comparative anatomy for exercise physiology majors. Fall. M&S fee $85.00
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<th>Course Code</th>
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<th>Credits (Lecture, Clinical)</th>
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<tr>
<td>ZOO 4704C COM-M&amp;M 4(3,1)</td>
<td>Clinical Neuroanatomy and Neuroscience: PR: ZOO 3733C with a B (3.0) or better. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Fall.</td>
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<td>ZOO 4704H COM-M&amp;M 4(3,2)</td>
<td>Honors Clinical Neuroanatomy: PR: ZOO 3733C and Honors consent. Basic and applied neurosciences with attention to normal function and pathologic states of the nervous system relevant to practice of general medicine and/or neuroscience. Occasional.</td>
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<td>ZOO 4747C COM-M&amp;M 4(3,1)</td>
<td>Clinical Neuroscience: PR: ZOO 3744 or ZOO 4704C. Clinically oriented teachings in major neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
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<td>ZOO 4747H COM-M&amp;M 4(3,1)</td>
<td>Clinical Neuroscience Honors: PR: ZOO 3744 or ZOO 4704C and consent of Honors. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology and neurodiagnostics with Honors content. Spring.</td>
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<td>ZOO 4753C COM-M&amp;M 4(3,3)</td>
<td>Vertebrate Histology: PR: ZOO 3733C. Microanatomical detail plus appropriate developmental and functional considerations of major cell types, primary tissues, organs, and organ systems. Survey of modern animal tissue microtechnique. Spring. M&amp;S fee $25.00</td>
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<td>ZOO 4753C COS-BIOL 4(2,6)</td>
<td>Ichthyology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the biology of the fishes, their classification, evolution, and life histories. Occasional. M&amp;S fee $25.00</td>
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<td>ZOO 4753L COS-BIOL 3(0,6)</td>
<td>Field Ornithology: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Introduction to the identification, taxonomy, natural history, and biology of birds, with emphasis on survey techniques and systematics. Occasional. M&amp;S fee $30.00</td>
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<td>ZOO 5486 COS-BIOL 4(4,0)</td>
<td>Mammalogy: PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I. Study of the diversity and biology of mammals from an evolutionary perspective. Even Spring.</td>
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<td>ZOO 5748C COM-M&amp;M 5(3,2)</td>
<td>Clinical Neuroanatomy: PR: ZOO 3733C Human Anatomy. Provides the necessary knowledge to understanding the complexities of human nervous system, its normal and pathologic functions, relevant to practice of general medicine and/or neuroscientists. Fall.</td>
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<td>ZOO 5749C COM-M&amp;M 5(3,2)</td>
<td>Clinical Neuroscience: PR: ZOO 3733C and ZOO 3744, or ZOO 3733C and ZOO 4704C or ZOO 5748C, or equivalents. Clinically oriented teachings of neuroscience areas including selected topics in neuropathology, neuro-oncology, neuroimmunology, neuropharmacology, and neurodiagnostics. Spring.</td>
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<tr>
<td>ZOO 5881C COS-BIOL 4(3,4)</td>
<td>Fisheries Management: PR: ZOO 4310C, graduate status or senior standing, or C.I. Fisheries management of freshwater environments to include identification, sampling methods, farming and hatchery operations, propagation and population estimates. Occasional. M&amp;S fee $20.00</td>
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GONZALEZ, AVELINO J., Professor Department of Electrical Engineering and Computer Science (1986), B.S.E.E., M.S.E.E., Ph.D. (University of Pittsburgh), P.E. (Florida)

GONZALEZ, JOSE I., Visiting Instructor of Spanish (2009), B.A., M.A. (Ohio University)

GOODMAN, CONSTANCE, Instructor and Coordinator of Education (2005), B.A., M.A., ED.D. (University of Florida)

GOODMAN, STEPHEN H., Associate Professor of Management Information Systems (1984), B.S., M.B.A., Ph.D. (Pennsylvania State University)

GORDON, ALI, Assistant Professor of Engineering (2006), B.S., M.S., Ph.D. (Georgia Tech)

GORDON, FON, Associate Professor of History (2001), B.A., M.S.E., Ph.D. (University of Arkansas)

GORMAN, LAUREL, Assistant Professor of Pharmacology (2009), Ph.D. (Louisiana State University)

GOSNELL, SUSAN, Instructor of Health Sciences (Radiologic Sciences) (1999), B.S., M.S. (Florida Institute of Technology)

GOU, JINHUA, Associate Professor of Engineering (2007), Ph.D. (Florida State University)

GRAHAM, EMILY, Visiting Assistant Professor (2009), B.A., M.Litt., Ph.D. (University of St. Andrews)

GRAHAM, RITA, General Education Coordinator and Instructor of Communication (2003), B.A., M.A., Ph.D. (University of Florida)

GRAJEDA, ANTHONY, Associate Professor of English (2001), B.A., M.A., Ph.D. (University of Wisconsin-Milwaukee)

GRAUERHOLZ, ELIZABETH, Professor of Sociology (2005), B.A., M.A., Ph.D. (Indiana University)

GRAY, DAVID, Capt, USAF, Assistant Professor of Aerospace Studies (2008), B.A. (George Mason University)

GREENWOOD, ANGELA, Instructor of Communication Sciences and Disorders (2006), B.A., M.A. (University of Central Florida)

GREGG, PAUL, Instructor of Finance (2004), B.S.B.A., M.S. (University of Central Florida)

GRESHAM, REGINA, Associate Professor of Education (2003), B.S., M.A., Ed.S., Ph.D. (University of Alabama)

GRIFFITHS, BARRY, Instructor of Mathematics and Math Lab Director (2002), B.Sc., M.S., M.A. (University of Florida)

GRISET, PAMALA L., Interim Chair, Associate Professor of Criminal Justice (1993), B.A., M.S., Ph.D. (State University of New York at Albany)

GROFF, AMANDA, Instructor of Anthropology (2009), B.A., M.A. (University of Central Florida)

GROSS, ARIANA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (Jacksonville University)

GRULA, RICHARD, Lecturer (2008), B.A., M.S. (University of Central Florida)

GUHA, ARUP, Lecturer School of Electrical and Computer Science and Computer Engineering (1999), B.S., M.S. (University of Wisconsin)

GUHA, RATAN K., Professor School of Electrical and Computer Science and Computer Engineering (2000), B.S., M.S., Ph.D. (University of Texas)

GUIMOND, MARY, Instructor, College of Nursing (2008), B.S.N., M.S.N. (University of Florida)

GUNDER, GLENDIA, Associate Professor of Education (1996), B.S., M.A., Ph.D. (Mississippi State University)

HACIMERILOGLU, ERHAN, Assistant Professor of Education (2007), B.S., M.S., Ph.D. (Florida State University)

HADRIKA, DARLENE, Research Associate, Digital Media (2005), B.A., M.F.A. (University of California at Los Angeles)

HAGAN, DAVID J., Associate Dean for Academic Programs & Professor of Optics (1987), B.S., Ph.D. (Heriot-Watt University)

HAGEDORN, W. BRYCE, Assistant Professor of Education (2007), Ph.D. (The University of North Carolina at Greensboro)

HAGEN, SCOTT C., Associate Professor of Engineering (1997), B.S.E., Ph.D. (University of Notre Dame), P.E. (Florida)

HAHNS-VAUGHN, DEBBIE, Associate Professor of Education (2003), B.A., M.B.A., M.S., Ph.D. (The University of Alabama)

HALL, JEROME, Assistant Professor of Military Science (2009)

HALL, RICK, Research Associate, FIA (2005), B.S. (Penn State)

HALL, SCOTT F., Associate Professor of Art (2000), B.F.A., M.F.A. (Washington University)

HALL, W. JOE, Radio-TV Area Coordinator and Associate Professor of Communication (1996), B.S.E.E., M.A., Ed.D. (University of Central Florida)

HAM, CHAN HO, Professor of Mechanical Engineering and Director of Interdisciplinary Studies (2003), B.A., M.S. (University of Illinois)

HAMPTON, MARCYE S., Assistant to the Director, School of Accounting and Instructor of Accounting (2004), B.S., M.B.A. (University of Central Florida)

HAN, DEGUN, Professor of Mathematics (1998), M.S., Ph.D. (Texas A&M University)

HANOVER, JIM, Professor of Psychology (1994), B.A., M.S., Ph.D. (University of Oklahoma)

HANSON, JENNIFER, Assistant Professor of Education (2006), B.S., M.A. (University of Central Florida)

HART, RAY, Adjunct Associate Professor of Mathematics (2006), B.S., M.S. (Tufts University)

HASCHE, JOHN, Assistant Professor of Mathematics (2006), B.A., M.S., Ph.D. (University of Central Florida)

HARRIS, LANI, Adjunct Professor of English and Pedagogy (2003), B.A., M.A. (University of Central Florida)

HARRIS, JUDY, Assistant Professor of Marketing (2001), B.A., Ph.D. (University of Houston)

HARRIS, LARI, Professor of Theatre (1999), B.A., M.F.A., Ph.D. (University of Texas)

HARRIS, MARY BETH, Assistant Professor of Social Work (2006), B.S.W., Ph.D., L.C.S.W. (University of Washington)
JEANPIERRE, BOBBY, Associate Professor of Education (2001), B.S., M.A., Ph.D. (University of Minnesota)
JENNINGS, KELLY, Instructor of Education (2003), B.S., M.S. (Nova-Southeastern University)
JENSEN, BERNARD, Associate Professor of Psychology (1985), B.S., M.A., Ph.D. (Southern Illinois University)
JENTSCH, FLORIAN, Associate Professor and Director of Team Performance Management (1997), B.S., M.S., Ph.D. (University of Central Florida)
JENTSCH, KIMBERLY S., Assistant Professor of Psychology (2003), B.A., M.S., Ph.D. (University of South Florida)
JEROMIN, AARON, Research Associate, FIEA (2007), B.F.A. (Ringing School of Art and Design)
JEWETT, AUBREY, Associate Professor of Political Science (1995), B.A., M.S., Ph.D. (Florida State University)
JEWETT, MOLLIE, Assistant Professor (2009), Ph.D. (Washington University in St. Louis)
JEWETT, TRAVIS, Assistant Professor (2009), Ph.D. (Washington University in St. Louis)
JHA, SUMIT, Assistant Professor Department of Electrical Engineering and Computer Science (2010), B. Tech., M.S., Ph.D. (Camagie Mellon University)
Jiang, James J., Professor of Management Information Systems (2001), M.B.A., M.S., Ph.D. (University of Cincinnati)
Johnson, ABBILLYN, Capt, USAF, Assistant Professor of Aerospace Studies (2009), B.A, MBA (Amberston University)
Johnson, Mark E., Professor of Statistics (1990), B.A., M.S., Ph.D. (University of Iowa)
Johnson, Michael, Instructor of Education (2002), B.A., M.S., Ph.D. (University of Illinois)
Johnson, Michael D., Interim Dean of College of Sciences, Professor of Physics, and Assistant to the Provost (1990), B.S., Ph.D. (University of Virginia)
Jones, Anna M., Associate Professor of English (2002), B.A., Ph.D. (University of Notre Dame)
Jones, Daniel R., Professor of English (1994), B.A., M.A., Ph.D. (Florida State University)
Jones, Donald E., Assistant Professor of Philosophy (1972), B.A., M.A., Ph.D. (University of Oklahoma)
Jones, Foard F., Chair and Associate Professor of Management (1993), B.S., M.B.A., Ph.D. (University of Georgia)
Jones, K. Dayle, Associate Professor of Education (1997), B.S., M.A., Ph.D. (University of South Carolina)
Jones, Linwood W., Professor Department of Electrical Engineering and Computer Science (1997), Ph.D. (Virginia Polytechnic Institute)
Jones, Robert S., Associate Professor of Film (1991), A.B., M.S., M.F.A. (UCLA)
Joo, Kyung Mee, Visiting Instructor of French (2010), B.A., M.A., Ph.D. (University of Paris 5)
Joshi, Amit, Assistant Professor of Marketing (2005), B.E., P.G.D.M., Ph.D. (University of California, Los Angeles)
Judd, Andrew J., Associate Professor of Accounting (1987), B.A.B.A., M.B.A., Ph.D. (University of Florida)
Judy, Jonathan E., Visiting Instructor (2010), B.S.A., M.A. (University of South Florida)
Juge, Frank E., Professor of Hospitality Management and Professor Emeritus of Chemistry (2005), B.S., Ph.D. (University of Arkansas)
Jung, Hyung-il, Lecturer of Hospitality Management (2005), B.A., M.S., Ph.D. (Virginia Polytechnic Institute)
Jurie, Jay D., Associate Professor of Public Administration (1986), B.A., M.U.A., M.E.P., Ph.D. (Arizona State University)
Kallina, Edmund F., Jr., Professor of History (1970), B.A., M.A., Ph.D. (Northwestern University)
Kamrath, Mark L., Associate Professor of English (1997), B.S., M.A., Ph.D. (University of Nebraska, Lincoln)
Kapat, Jayanta S., Professor of Engineering (1997), B. Tech. (Hons.), M.S., Sc.D (Massachusetts Institute of Technology)
Kaplan, Jeffrey S., Associate Professor of Education (1992), B.A., M.A., Ph.D. (University of Florida)
Kapucu, Aysel, Instructor Librarian (2008), B.A., M.L.I.S. (University of Pittsburgh)
Kapucu, Nam, Assistant Professor (2003), B.S.M., M.S., Ph.D. (University of Pittsburgh, PA)
Kar, Aravinda, Professor of Optics, MMAE, & EECS (1994), B.S., M.S., Ph.D. (University of Illinois)
Kara, Abdelkader, Associate Professor of Physics (2008), Ph.D. (University of Lille and CEa Saclay, France)
Karpinski, Waledmar, Chair and Professor of Engineering (2007), M.S., Ph.D., D.Sc. (Texas Tech University), P.E. (Texas)
Kasle, Synde, Director of Debate and Instructor of Communication (2010), B.A., M.A. (Florida State University)
Kasperis, Takis, Professor Department of Electrical Engineering and Computer Science (1989), B.E.E., M.E.E., Ph.D. (City College University of New York)
Kassab, Alain J., Professor of Engineering and Mathematics (1991), B.S.E.S., M.S., Ph.D. (University of Florida)
Kassim, Husein, Associate Professor of Philosophy and Religion (1970), B.A., M.A., I.L.L.B., Ph.D. (University of Bonn)
Katsevich, Alexander, Professor of Mathematics (1996), B.S., M.S., Ph.D. (Kansas State University)
Katt, James, Interpersonal-Organizational Area Coordinator and Associate Professor of Communication (2003), B.S., B.A., M.A., Ph.D. (University of Central Florida)
Kauffman, Tammy, Associate Professor of Hospitality Management (2003), B.S., M.S., Ph.D. (Virginia Tech University)
Kauf, David, Provost’s Distinguished Research Professor (2001), B.S., M.S., Ph.D. (University of Maryland)
Kay, Denise, Visiting Assistant Professor of Education (2007), B.A., M.A., Ph.D. (University of Missouri)
Kellerer, Charles F., Associate Professor of Accounting (1985), B.S., M.S., Ph.D. (Texas A&M University)
Kennedy, Margaret Ann, Lecturer of Psychology (2001), Ph.D. (University of South Carolina)
Kent-Walsh, Jennifer, Assistant Professor of Communication Sciences and Disorders (2003), B.Ed., M.S., Ph. D. in Speech-Language Pathology (Pennsylvania State University)
Keon, Thomas L., Dean, College of Business Administration, and Professor of Management (1997), B.S.A., M.B.A., Ph.D. (Michigan State University)
Kerns, Shloe, Instructor of Education (2008), B.A., M.S. (Nova Southeastern University)


LEUNER, JEAN, Dean and Professor, College of Nursing (2003), C.N.E., M.S.N., Ph.D. (Boston College).


LLEWELLYN, MARK J., Associate Professor of Communication (1990), B.A., Ph.D. (University of Oklahoma).


LI, CHUN, 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., B.S. (University of Sheffield).

LIAO, YI, Assistant Professor of Chemistry (2006), B.S., Ph.D. (University of Wisconsin-Madison).

LI, XIAOMAN, Assistant Professor (2008), Ph.D. (University of Southern California).

LIBERMAN, AARON, Professor of Health Services Administration (1996), B.A., M.S., M.A., Ph.D. (University of Iowa).

LILLOCH, ANNA, Associate Professor of English (1986), B.A., M.A., Ph.D. (University of Iowa).

LIN, KOU-CHI KURT, Associate Professor (1990), Ph.D. (University of Michigan), P.E. (Florida).

LIN, MINJIE, Assistant Professor Department of Electrical Engineering and Computer Science (2011), B.S., M.S., Ph.D. (Stanford University).

LINDQVIST, ROBB, Assistant Professor of Digital Media (2009), Ph.D. (Stanford University).

LINDSLEY, BOYD, Assistant Director and Instructor of Communication (2007), B.A., M.A. (University of Central Florida).


LIOU, KUOTSU 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, MARY, Associate Professor of Education (1996), Ph.D. (University of Kansas).


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).

LOGUDICE, FRANCIS T., Instructor of Biology (1997), B.S., M.S. (University of Central Florida).


LOPEZ, GENARO, Professor, Director of Prehealth Professions Advise Office (2004), Ph.D. (Colorado State University).


LOPEZ-OJEDA, WILFRIDO, Instructor (2000), B.S. (University of Puerto Rico School of Medicine).

LOPP, LINDA, Instructor, College of Nursing (2008), B.S.N., M.S.N. (University of Phoenix).

LORE, MICHAEL, Instructor of Sociology (2009), B.A., M.A. (University of Florida).


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.S. (University of Central Florida).


LUO, WEI, Professor of Physics (1987), B.S., Ph.D. (University of California, Los Angeles).


LYNNWILER, 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).

LYLE, J. STEPHEN, Associate Professor of Health Services Administration (1975), RRT, B.S., M.S., M.P.H. (University of Central Florida).

MABOUDOU-TCHAO, EDOARD, 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. (University of California, Berkeley).

MADANLARIJANI, KAVEH, Assistant Professor of Engineering (2011), B.S., M.W.R. Ph.D. (University of California, Davis).

MAHAN, SUE G., Associate Professor of Criminal Justice (1987), B.A., M.A., Ph.D. (University of Missouri).


MALALA, JOHN, Associate Professor of Communication (2001), B.A., M.A., Ed.S., Ph.D. (University of Bradford).


MALOCHA, DONALD C., Professor Department 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).

MANJEVSIC, MARY BETH, Instructor of Biology (2010), B.S., M.S.N., Ph.D. (University of Central Florida).

MANNING, RANDOLPH, Associate Dean for Students and Professor of Medical Education (2008), Ed.D. (George Washington University).

MAO, HUAFANG, Assistant Professor of Marketing (2000), B.S., M.B.A., Ph.D. (Indiana University).


MARCHIARA, MARTHA, Associate Professor of Writing & Rhetoric (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).

MARRETT, CAROLINE, Instructor and Coordinator (2007), B.S., M.A., Ph.D. (University of Central Florida).

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.L.I.S. (University of South Florida).


MARTIN, THOMAS L., Associate Professor of Economics (1983), B.A., B.S. (Rice University).


MASUNOV, ARTEM, Assistant Professor of Nanoscale Science and Technology (2005), B.S., Ph.D. (Hunter College of CUNY, University of New York=Matejowsky, TS, Assistant Professor of Anthropology (2002), B.S., M.A. (Texas A&M University).

MATTISON, GERALD, Lecturer of Chemistry (2008), B.A., Ph.D. (Auburn University).

MATUTSIZ, JONATHAN, Assistant Professor of Communication (2005), B.A., M.A., Ph.D. (University of Kentucky).

MAUER, BARRY J., Associate Professor of English (1999), M.A., Ph.D. (University of Florida).


MAUZEN-CAUDRA, JOSE, Associate Professor of Digital Media, Director of Latin American Studies, Interim Associate Professor of the School of Visual Arts and Design (2008), B.A., M.S., Ph.D. (Bowling Green State University).

MAYER, BETTY, Instructor, College of Nursing (2002), A.R.N.P., Ph.D. (University of South Florida).


MAZZUCHELLI, CHIARA, Assistant Professor of Italian (2007), B.A., M.A., Ph.D. (Florida Atlantic University).
McDONOUGH, MELANIE, Professor of Management

MICHAELS, RONALD E., (2009), B.S., M.A., M.L.S. (San Jose State University)

MICHAEL, STACY, Assistant Professor (2007), B.S., M.S. (Dallas State University)

MICHAELS, RONALD E., (2009), B.S., M.A., M.L.S. (San Jose State University)

MICHAEL, STACY, (2007), B.S., M.S. (San Jose State University)

MICHALEWSKI, RONALD, Professor of Management

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., (2009), B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

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MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

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MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

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MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

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MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)

MCGOUGHER, JOHN M., B.S., M.A., M.L.S. (San Jose State University)
Naser, Saleh, Associate Professor of Molecular Biology and Microbiology (1995), Ph.D. (New Mexico State University)

Nashed, Zuhair, Professor of Mathematics (2002), B.S., M.S., Ph.D. (University of Michigan)

NAZZAL, DIMA, Assistant Professor of Engineering (2006), B.S., Ph.D. (Georgia Tech)

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)

Negy, Alma, Instructor of Spanish (2002), B.A., M.A., Ph.D. (University of Houston)

Negy, Charles, Associate Professor of Psychology (1998), B.A., M.S., Ph.D. (Texas A&M University)

Neibhor, J. Edward, Vice Provost, Academic Administrative Systems, and Professor of Physics (1987), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

Nelson, Loren, Professor of Surgery (2008), M.D. (University of Iowa)

Neubauer, Charlotte, Instructor, College of Nursing (2007), B.S.N., M.S.N. (University of Phoenix)

Neval Andrew, Assistant Professor of Mathematics (2008), B.S., M.A., Ph.D. (University of California, Los Angeles)

Ni, Li Qiang, Associate Professor of Statistics (2003), B.Sc., Ph.D. (University of Minnesota)

Nichols, Gary, Instructor of Management (2006), B.S.B, M.B.A. (University of South Florida)

Nickerson, David, Professor and Chair of Statistics (1990), B.S., M.S., Ph.D. (University of Florida)

Niess, Christopher, Associate Professor of Theatre (2001), B.A., M.F.A. (Kent State University)

Nnadi, Fidelia, Associate Professor of Engineering (1994), B.Eng., Ph.D. (Queen’s University-Ontario, Canada), P.E. (Canada, Florida)

Noel, Alice, Program Director and Instructor of Health Information Management (2004), M.B.A. (Georgia State University)

Norris, Anne, Professor, College of Nursing (2008), F.A.A.N., B.S., B.S.N., M.S., Ph.D. (University of Wisconsin-Madison)

Noess, Reed F., Provost Distinguished Research Professor and Professor of Biology (2002), B.S., M.S., Ph.D. (University of Florida)


Nusair, Khaledoon, Assistant Professor of Hospitality Management (2007), B.A., M.S. (Technology), M.S. (Management), Ph.D. (The Ohio State University)

Nutta, Joyce, Associate Professor of Education (2007), B.A., M.A., Ph.D. (University of South Florida)

Nye, Chad, Professor of Communication Sciences and Disorders (1996), B.S., M.S., Ph.D. (University of California)

O’Donnell, Kristin, 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, Fevzi, Chair, Department of Hospitality Services and Associate Professor of Hospitality Management (2005), B.S., M.S., Ph.D. (Oxford Brooks University)

Oliver, Kathleen M., Associate Professor of English (2003), Ph.D. (University of South Florida)

Olofua, Amr M., Professor of Engineering (1999), B.S., M.S., Ph.D. (University of California, Berkeley), P.E. (California)

O’Neal, 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)

Orlovskaya, Nina, Assistant Professor of Engineering (2006), Ph.D. (National Academy of Science of Ukraine)

Orooji, Ali, Associate Professor of Electrical Engineering and Computer Science (2015), B.S., M.S., Ph.D. (University of Central Florida)

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)

Sullivan, Patrick, Adjunct Instructor (2005), M.S. (Florida Institute of Technology)


Owens, Jr., J. Thomas, Research Associate Professor (2006), B.A., M.S., Ph.D. (Florida State University)

Ozoglu, Hakan, Associate Professor of History (2007), B.A., M.A., Ph.D. (Ohio State University)

Pabian, Patrick, Instructor of Health Professions (2008), B.S., DPT (University of Physical Therapy)

Pals, Heili, Assistant Professor of Sociology (2009), B.A., M.A., Ph.D. (Stanford University)

Pantoja, Wendy, Visiting Instructor (2010), B.A., M.Ed. (University of Central Florida)

Paoline, Eugene A., Assistant Professor of Criminal Justice (2001), B.S., 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 L., Associate Professor of Philosophy (1990), B.A., M.A., Ph.D. (Duke University)

Parkinson, Christopher L., Associate Professor of Biology (2000), B.S., M.S., Ph.D. (University of Louisville)

Parsa, H.G., Associate Professor of Hospitality Management (2007), Ph.D., M.S., M.Sc., B.S. (Virginia Polytechnic University)

Parsons, Carla, Externship Coordinator and Instructor of Communication Sciences and Disorders (2002), B.S., M.S. (Southern Illinois University)

Patio, Pedro R., Lecturer of Chemistry, Associate Chair, and Undergraduate Advisor (2006), B.S., Ph.D. (Oxford University)

Pattanaik, Sumanta, Associate Professor School of Electrical Engineering and Computer Science (2001), B.S., M.S., Ph.D (Birla Institute of Science and Technology)

Pawlas, George E., Professor of Education (1991), B.S., M.Ed., Ph.D. (University of South Carolina)

Payler, Andrew, Professor of Anatomy (2008), Ph.D. (Loyola University)

Peale, Robert E., Professor of Physics (1991), B.A., M.S., Ph.D. (Cornell University)

Pelli, Moshe, Abe and Tass Wise Endowed Professor of Judaic Studies and Program Director, Judaic Studies Program (1985), B.S., Ph.D. (The Dropsie College)

Pennington, Robert, Director, Center for Economic Education and Associate Professor of Economics (1983), B.A., Ph.D. (Texas A&M University)

Pennsky, Marianna Y., Professor of Mathematics (1995), B.Sc., M.Sc., Ph.D. (Moscow 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)

Perotte, Gino, Visiting Instructor of Communication (2010), B.S., M.A. (University of Central Florida)

Perry, Charles, Visiting Assistant Professor of Theatre (2008), B.S., M.F.A. (University of Florida)

Pet-Armacost, Julia, Associate Dean, Planning and Knowledge Management, College of Medicine (1969), Ph.D. (Case Western Reserve University)

Peters, Philip, Associate Professor of Digital Media (2003), M.F.A. (University of Montana)

Phanstiel, Otto, Professor of Medical Education (1965), Ph.D. (University of Florida)

Pherigo, Johnny L., Professor of Music (2004), B. Mus., M.M., D.M.A. (University of Illinois)

Piascik, Jeanne M., Assistant Librarian (1985), B.S., M.L.S. (Kent State University)


Pike, Audrey, Associate General Counsel, College of Medicine (2010), J.D. (Florida State University, College of Law)

Pineda, Yoanna, Assistant Professor of History (2010), B.A., M.A., Ph.D. (University of California - Los Angeles)

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.P.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)

Pointdexter, Carla, Associate Professor of Art (2000), B.F.A., M.F.A. (Texas Tech University, Lubbock)

Pollack, Philip H., Professor of Political Science (1982), B.A., Ph.D. (University of Minnesota)

Pomerleau, Julie, Instructor of Spanish (2003), B.A., M.S. (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, Thomas, Associate Professor of Music (2005), B.S., M.M. (Indiana University)
SIMAA, MARWIN, Dean College of Engineering and Computer Science (2008), Ph.D. (University of Illinois at Urbana-Champaign), P.E.
SIMS, VALERIE, Associate Professor of Psychology (1998), B.A., M.S., Ph.D. (University of California Santa Barbara)
SINELLI, PETER T., Instructor of Anthropology (2006), B.S., M.A., Ph.D. (University of Florida)
SINGLA, DINENDER, Associate Professor (2009), Ph.D. (Postgraduate Institute of Medical Education and Research)
SIVO, STEPHEN A., Associate Professor of Education (2000), B.A., M.A., Ph.D. (Franciscan University of Steubenville)
SKRIPKA, ANNA, Assistant Professor of Mathematics (2010), Ph.D. (University of Missouri)
SLAUGHTER, DAVID B., Legal Studies Program Director, Assistant Professor of Legal Studies (1978), B.A., J.D. (Florida State University)
SMITH, DONALD, Assistant Professor of Military Science (2008), B.S.
SMITH, EILEEN, Research Associate, Digital Media (2007), M.A. (University of Louisville)
SMITH, GERALD, Director/Associate Professor of Physical Therapy (2004), Ph.D. (Medical College of Virginia, Virginia Commonwealth University)
SMITH, RONALD F., Professor of Communication (1980), A.B., M.A. (Ball State University)
SMITH, TYLER, Instructor of Hospitality Management (2006), A.S., B.S., M.S. (University of Central Florida)
SMITH, W. K., Instructor of Accounting (1998), B.S., M.B.A. (Loyola College)
SMITH, STANLEY D., Professor of Finance (1996), B.B.A., M.B.A., Ph.D. (Arizona State University)
SMITH, SHAUNA, Technical Director (2010), M.F.A. (University of Illinois)
SMITHER, JANAN A., Associate Professor of Psychology (1990), B.S., M.A., Ph.D. (Johns Hopkins University)
SOHN, YONG-HO, Associate Professor of Engineering (2001), Ph.D. (Purdue University)
SOLEAU, MARION J., Vice President, Research & Commercialization and Professor of Optics & EECs (1987), B.S., M.S., Ph.D. (University of Southern California)
SOLE, MARY LOU, Professor, College of Nursing (1987), F.A.A.N., M.S.N., Ph.D. (University of Texas at Austin)
SOLOMON, VLADIMIR, Associate Professor of History (2003), B.A., Ph.D. (Moscow State University)
SONG, HOJUN, Assistant Professor of Biology (2006), Ph.D. (Ohio State University)
SONG, ZIXIA, Assistant Professor of Mathematics (2005), B.S., M.S., Ph.D. (Georgia Institute of Technology)
SOSKIN, MARK D., Associate Professor of Economics, Daytona Campus (1998), B.A., M.A., Ph.D. (Pennsylvania State University)
SOTERO-ESTEVA, WALTER D., Instructor of Biology (2001), B.S., Ph.D. (Indiana University)
SPALDING, LEE-ANNE, Visiting Instructor of Education (2004), B.S., M.Ed. (University of Central Florida)
SPENCER, STEVEN C., Instructor of Art (2003), B.S., M.F.A. (Louisiana State University)
SPINA, GRAZIA, Instructor of Italian (2000), B.A., M.A. (University of Genoa, Italy)
SPOLE-DURAN, PETER, Associate Professor of Library Science (1996), B.A., M.A.L.I.S. (University of South Florida)
STE.CLAIRE, SYBIL, Lecturer (2005), B.A., M.A. (Antioch University)
STACK, ALLISON, Visiting Instructor of Writing & Rhetoric (1999), B.S., M.A. (University of Florida)
STANLEY, KENNETH, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Northwestern University - Chicago, IL)
STANLEY, LOU, Instructor of Education (2003), B.S., M.Ed. (Nova Southeastern University)
STANLICK, NANCY, Associate Professor of Philosophy (1999), B.A., M.A., Ph.D. (University of South Florida)
STAP, DONALD L., Professor of English (1985), B.A., Ph.D. (University of Utah)
STEEN, JULIE, Assistant Professor of Social Work (2008), B.A., M.S.W., Ph.D. (Florida State University)
STEPHENSON, JOANNE, Director, African American Studies, and Associate Professor of History (1994), B.M., M., M.D.A. (University of Illinois)
STEWART, TRAE, Associate Professor of Education (2005), B.A., M.S.Ed., M.S., Ph.D. (University of Southern California)
STOCK, AXEL, Assistant Professor of Marketing (2003), M.S. Ph.D. (Purdue University)
STOECKL, ULA, Associate Professor of Fine Arts (2001), M.F.A., Graduate Diplome (Institut fuer Filmmgestaltung (Hochschule fuer Gestaltung))
STOLBOV, SERGEY, Associate Professor of Physics (2006), B.S., M.S., Ph.D. (Rostov State University, Russia)
STORM, MARGO, Lecturer of Psychology (2010), B.A., Ph.D. (Temple University)
STRAWSER, MICHAEL, Assistant Professor of Philosophy (2002), B.A., M.A., Ph.D. (Florida State University)
STURM, RAY R., Lecturer of Finance (2006), B.A., M.S.T., Ph.D. (Florida Atlantic University)
SU, MINING, Assistant Professor Nanoscience Technology Center (2009), B.S., M.S., Ph.D. (Northwestern University - Chicago, IL)
SUH, JAE-HYUN, Assistant Professor of Information Systems (2004), B.A., M.A. (Marshall University)
SUMMER, SCOTT, Associate Dean, Administration and Finance, College of Medicine (2007), M.B.A. (University of Florida)
SUN, YI, Associate Professor of Mathematics (2003), B.S., Ph.D. (Purdue University)
SUNDARAM, KALPATHY B., Professor Department of Electrical Engineering and Computer Science (1987), B.S., B.E., M.T., Ph.D. (Indian Institute of Technology, Bombay)
SUNG, STELLA, Professor of Digital Media, Director of CREATE, Professor of Masscomm (1991), B.A., M.F.A., D.M.A. (University of Texas at Austin)
SURETT, RAYMOND B., Professor of Criminal Justice (1995), B.S., M.S., Ph.D. (Florida State University)
SURYANARAYANA, C., Professor of Engineering (2001), Ph.D. (Banaras Hindu University)
TAPPEN, MARSHALL, Assistant Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)
TARTT, KACIE, Instructor of Spanish (2007), B.A., M.A. (Florida State University)
TAUB, GORDON, Associate Professor of Education (1999), B.A., M.ED. (University of Florida)
TAYLOR, ROSEMARY, Associate Professor of Education (2000), B.A., M.Ed., Ed.D., Ph.D. (Georgia 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.A. Ph.D. (Nova Southeastern University)
TETER, KENNETH, Assistant Professor of Molecular Biology and Microbiology (2003), Ph.D. (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, 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.A.L.I.S. (University of British Columbia)

TANNER, BRIAN P., Professor of Physics (1999), B.Sc., M.Sc., Ph.D. (University of Pennsylvania)

TOVBIIS, ALEXANDER, Professor of Mathematics (1996), M.S., Ph.D. (University of Voronezh)

TOYNE, J. MARLA, Assistant Professor of Anthropology (2011), B.A., M.A. Ph.D. (Tulane University)

TRINQUET, CHARLOTTE, Assistant Professor of French (2007), M.A., Ph.D. (University of North Carolina, Chapel Hill)

TRIPP, MARY, Instructor of Writing & Rhetoric (2000), B.A., M.A. (Rollins College)

TROMPETER, GREGORY M., Chartholder, C.G. Avery Professorship, Professor of Accounting (2008), B.S., M.B.A., Ph.D.

TROUARD, DAWN, Professor of English (1997), B.A., M.A. Ph.D. (Rice University)

ΤRUCU, ANCA, Lecturer of Political Science (2009), B.A., M.A., Ph.D. (University of Texas - Dallas)

TURGUT, DAMLA, Associate Professor Department 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)

UDGIN, NIZAM, Professor of Statistics (2001), B.Sc., M.Sc., Ph.D. (Old Dominion University)

UNDERBERG, NATALIE, Associate 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)

UTT, HAROLD A., JR, Assistant Professor of Communication Sciences and Disorders (1981), B.S., M.S., Ph.D. (Florida State University)

UTTICH, LAURIE, Instructor of Writing & Rhetoric (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)

VAINYDANATH, RAJAN, Associate Professor of Engineering (2001), B.S., M.S., M.S.P.T, (Massachusetts Institute of Technology)

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 (2006), B.S., M.A. (University of Central Florida)

VAN DEMARK, CHERYL, Visiting Instructor (2010), B.A., M.S., Ed.D. (University of Central Florida)


VAN STRYLAND, ERIC W., Dean and Director, Professor of Optics & ECECS (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 (2003), B.S., M.A., Ph.D. (Utah State University)

VEIT, MARCIA R., Instructor of Accounting (1979), B.A., M.B.A. (University of Arkansas)

VELEZ-SOTO, HILARUME, Visiting Instructor of Spanish (2010), B.A., M.A. (University of Central Florida)

VELISSARIS, CHRISTOS, Lecturer of Physics (2006), M.S., Ph.D. (University of Rochester)

VENECEK, 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 Psychiatry (2007), M.D. (University of Florida)

VERITY, 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)

VEST, JENNIFER L., Assistant Professor of Philosophy and Humanities (2005), B.A., M.A., Ph.D. (University of California, Berkeley)

VIGGIANO, CHARLES A., Instructor of Management (2001), B.S., M.B.A. (University of Central Florida)

VILLANUEVA-GEHLFA, CELESTINO A., Associate Professor of Spanish (1999), B.A., M.A., Ph.D. (The Florida International University)

VITANOVA, GERGANA, Assistant Professor of TESOL (2003), B.A., M.A., Ph.D. (University of Cincinnati)

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 (2008), B.A., M.A., Ph.D. (University of Maryland)

WAGNER, ROBERT, Instructor of Physical Therapy (2003), M.S.P.T., D.P.T. (Temple University)

WAHID, PARVEEN F., Professor Department 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 Writing & Rhetoric (2002), B.A., M.A., Ph.D. (Carnegie Mellon University)

WARSH, 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., 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)

WANG, THOMAS, Second Joint Professor of Nursing and Second Joint Professor of Health Professions and Professor of Medical Education (2003), Ph.D. (University of Georgia)

WANG, ALVYN Y., Professor of Psychology and Dean, Burnett Honors College (1987), B.A., Ph.D. (State University of New York at Stony Brook)

WANG, DING BAO, Assistant Professor of Engineering (2010), B.E., M.S., Ph.D. (University of Illinois at Urbana-Champaign)

WANG, JUN, Assistant Professor Department of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (University of Cincinnati)

WANG, MORGAN CHUNG-CHING, Professor of Statistics (1991), B.S., M.S., Ph.D. (Iowa State University)

WANG, XIAO HU, Assistant Professor of Public Administration (1997), B.A., M.A., Ph.D. (Florida International University)

WANG, YOUCHENG, Associate Dean of Academic Affairs and Research, Associate Professor of Hospitality Management (2003), M.A., O.P., M.S., Ph.D. (University of Illinois at Urbana)

WANG, ZE, Assistant Professor of Marketing (2010), B.B.A, Ph.D. (Kansas University)

WARDLE, ELIZABETH, Associate Professor Writing & Rhetoric (2008), B.A., M.A., Ph.D. (Iowa State University)

WAREN, WARREN, Visiting Assistant Professor of Sociology (2010), B.A., M.A., Ph.D. (Texas A&M 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 Writing & Rhetoric (2004), B.A., M.A. (University of Central Florida)

WEAVER, EARL D., Associate 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)
UCF Faculty

WEEKS, ARTHUR, Associate Professor Department of Electrical Engineering and Computer Science (2003), B.S., M.S., Ph.D. (University of Central Florida)

WEGGER, HARRY, Graduate Coordinator and Associate Professor of Communication (2005), B.A., M.A., Ph.D. (University of Arizona)

WEGMANN, SUSAN, Associate Professor of Education (2005), B.A., M.A. Ph.D. (University of Florida)

WEI, L., Associate Professor Department of Electrical Engineering and Computer Science (2001), B.S., M.S., PhD. (University of South Australia)

WEIGEL, GREGORY, Instructor (2006), 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, 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, ROSEANN S., Associate Director of Burnett School of Biomedical Sciences, Professor Emeritus (1969), Ph.D. (University of Texas S.W. Medical School)

WHITE, VIBERT L., Associate Professor of History (2003), B.A., M.A., Ph.D. (Ohio State University)


WHITESIDE, JANET, Instructor of Communication Sciences and Disorders (2001), B.A., M.A., Ph.D. (Indiana University)

WHITNEY, PREMLA, Instructor (2010), B.S., M.A. (Webster University)

WHITTEN, SHANNON J., Lecturer of Psychology (2003), B.A., M.S., Ph.D. (University of Memphis)

WHYTE, ANN MARIE, Associate Professor of Finance (1998), B.B.A., M.B.A., Ph.D. (Florida Atlantic University)


WIEKNE, WILFRED, 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. FJELDHEIM, 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., Professor of Political Science (1998), B.A., M.A., Ph.D. (Washington University, St. Louis)

WILSON, NANCY, Assistant Professor of Education (2005), B.S., M.Ed. (University of Illinois at Chicago)

WINK, DIANE M., Professor, College of Nursing (1997), A.R.N.P., 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 Education (1999), A.B., MEDCI, Ph.D. (Virginia Polytechnic Institute)

WOJCIAN, PAWEL, Professor School of Electrical Engineering and Computer Science (2006), B.S., M.S., Ph.D. (University of Karlsruhe)

WOLF, ROSS A., Assistant Professor of Criminal Justice (1999), B.A., M.P.A., Ed.D. (University of Central Florida)

WOLFE, 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 University)

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)

WOOTTON, MARTIN, Assistant Professor of Theatre (2005), B.A., M.F.A. (Ohio University)

WORKMAN, KARISA K., Instructor of Communication (1999), B.A., M.A. (Southern Nazarene University)

WORRELL, L. TIMOTHY, Associate Professor of Health Sciences (Cardiopulmonary Sciences) (1976), R.R.T., B.S., M.P.H. (University of Central Florida)

WORTHY, GRAHAM A. J., Provost Distinguished Research Professor and Professor of Biology (2001), B.S., M.S., Ph.D. (University of Guelph, Canada)

WRIGHT, JAMES D., Provost Distinguished Research Professor and Provost of Sociology (2001), B.A., M.S., Ph.D. (University of Wisconsin)

WU, ANNIE 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, PREP Professor of Optics & E ECS (2004), Ph.D. (University of Southern California)

WU, THOMAS X., Professor Department of Electrical Engineering and Computer Science (1999), B.S., M.S., Ph.D. (University of Pennsylvania)

WYDI, MARY E., Associate Professor of Art (1999), B.D.A.E., M.F.A. (Florida State University)

XU, CHENGYING, Assistant Professor of Engineering (2007), Ph.D. (Purdue University)

XU, LINA, Instructor/Coordinator (2010), B.A., M.A., Ph.D. (Oklahoma State University)

XU, YUNJUN, Assistant Professor of Engineering (2008), Ph.D. (University of Florida)

YE, JINGDONG, Assistant Professor of Chemistry (2008), B.S., Ph.D. (University of Chicago)

YONETANI, AYAKO, Professor of Music (1993), B.M., M.M., D.M.A. (Juilliard School of Music)

YOUNG, BETH RAPP, Associate Professor of English (1990), B.A., M.A., Ph.D. (University of Southern California)

YOUNG, CYNTHIA, Interim Associate Dean, College of Sciences; Professor of Mathematics and Florida Space Institute; Secondary Joint Associate Professor of Optics and Photonics of Mathematics and Florida Space Institute; Secondary Joint Associate Professor of Optics and Photonics (1997), B.A., M.S., Ph.D. (University of Washington)

YOUNG, DAVID O., Instructor of Communication (2002), B.A., M.F.A. (University of California)

YOUNG, KURT, Assistant Professor of Political Science 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)

YUAN, JIANN S., Professor Department of Electrical Engineering and Computer Science (1989), B.S.E., M.S.E., Ph.D. (University of Florida)

YUN, HAE-BUM, Assistant Professor of Engineering (2010), B.S., M.S., Ph.D. (University of Southern California, Los Angeles)

ZAHO, MARGARET, Assistant Professor of Art (2005), B.A., M.A., Ph.D. (University of Washington)

ZAJAC, JANET, Instructor of Education (2000), B.S., M.S. (Buffalo State College)

ZELDOVICH, BORIS, Professor of Optics (1994), B.Sc., M.Sc., D.Sc. (Lebedev Physics Institute)

ZENGHU, CHANG, Distinguished Professor of Physics (2009), B.E, MS, PhD (Chinese Academy of Sciences)

ZERVOS, TONY, Professor (1999), Ph.D. (University of London)

ZHAO, YUE, Professor of Mathematics (1999), B.S., M.S., Ph.D. (Ohio State University)

ZHANG, HONG, Associate Professor of History (1996), B.A., M.A., Ph.D. (University of Arizona)

ZHANG, HUSSEN, Assistant Professor of Engineering (2010), B.S., M.S., Ph.D. (Pennsylvania State University)

ZHANG, NING, Assistant Professor of Health Services Administration (2003), Ph.D., M.D. (Virginia Commonwealth University/Medical College of Virginia, Shandong Medical University)

ZHANG, SHAOJIE, Assistant Professor School of Electrical Engineering and Computer Science (2008), B.S., M.S., Ph.D. (University of California, San Diego)

ZHANG, YING, Associate Librarian (1996), B.A., M.A.L.I.S. (University of South Florida)

ZHAO, YUE, Professor of Mathematics (1999), B.S., M.S., Ph.D. (Ohio State University)

ZHMDUSKYY, OLEKSANDR, Lecturer of Physics (2005), M.S., Ph.D. (Kiev State University, Ukraine)

ZHOU, HUIYANG, Professor School of Electrical Engineering and Computer Science (2003), B.S., M.S., Ph.D. (North Carolina State University)

ZHU, JICHEN, Assistant Professor of Digital Media (2009), Ph.D. (Georgia Institute of Technology)

ZINCHENKO, MAXIM, Assistant Professor of Mathematics (2010), Ph.D. (University of Missouri)

ZOU, CLIFF, Assistant Professor School of Electrical Engineering and Computer Science (2005), B.S., M.S., Ph.D. (University of Massachusetts)
FACULTY AND ADMINISTRATION EMERITI

ABBOTT, DAVID W., Professor Emeritus of Psychology (1988), 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, 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)


ARMSTRONG, LEE H., Professor Emeritus of Mathematics (1968), B.A., M.S., Ph.D. (Florida State University)

BAKER, GRAEME L., Professor Emeritus of Chemistry (1988), 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 of English (1968), B.A., M.A., Ph.D. (University of North Carolina at Chapel Hill)

BARSCH, KARL-HEINRICH, Associate Professor Emeritus of French (1977), B.A., M.A., Ph.D. (University of Colorado)

BASS, MICHAEL, Professor Emeritus of Optics (1998), B.S., M.S., Ph.D. (University of Michigan)


BERGER, JOHN F., Professor Emeritus of Health Professions (1975), B.S., M.S.P.H., M.P.H., N.H.A., Ph.D. (University of Maryland)

BLEDSOE, ROBERT L., Professor Emeritus of Political Science (1968), B.A., M.A., Ph.D. (University of Florida)

BLOCK, DAVID L., Director Emeritus, Florida Solar Energy Center and Professor Emeritus of Engineering (1968), B.S., M.S., Ph.D. (Virginia Polytechnic Institute), P.E. (Florida)

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 Physics (1987), B.Sc., M.Sc., Ph.D. (University of Allahabad)


BRENNAN, JOHN J., Professor Emeritus of Physics (1988), B.S., M.S., Ph.D. (Georgia Institute of Technology)

BRIGHT, ROBERT C., Professor Emeritus of Mathematics and Computer Science (1970), B.S., M.S., Ph.D. (New York University)

BURROUGHS, WAYNE A., Professor Emeritus of Psychology (1989), B.A., M.A., Ph.D. (University of Tennessee)

CALLARMIN, WILLIAM G., Associate Professor Emeritus of Management (1972), B.B.A., M.B.A., Ph.D. (Arizona State University)

CARR, WILLIAM F., Professor Emeritus of Engineering (1985), B.S., M.S., Ph.D. (University of Illinois), P.E. (California, Florida and Illinois)

COLOMBI, TREVOR, Professor Emeritus, President Emeritus, and Special Assistant to the UCF Foundation Chief Executive Officer (1978), B.A., M.A., Ph.D. (Johns Hopkins University)

COSMIS, NEVILLE W., Professor Emeritus of Management (1968), B.S., M.S., Ph.D. (Ohio State University)

COTTLE, KRISTIN G., Professor Emerita, Philosophy and Humanities (1998), B.A., M.S., Ph.D. (University of Oregon)

CORNELL, RICHARD, Professor Emeritus of Education (1968), B.S., M.S., Ed.D. (Nova University)

CUMMING, GLENN N., Professor Emeritus of Chemistry (1969), B.S., M.S., Ph.D. (North Carolina State University)

DAVIS, BUANE L., Professor Emeritus of Marketing (1978), B.S., M.B.A., D.B.A. (University of Kentucky)

DEL-ROB, MARCELLA, Professor Emeritus of Foreign Languages and Literatures (1960), B.A., M.A., Ph.D. (University of California-Irvine)

DENNING, RICHARD G., Professor Emeritus of Engineering Technology (1976), B.S., M.E., M.S., Ph.D. (University of Georgia), P.E. (Florida, Georgia)

DUTTON, RONALD D., Professor Emeritus of Electrical Engineering and Computer Science (1972), B.S., M.S., Ph.D. (Washington State University)


EHRHART, LLEWELLYNN M., Pegasus Professor and Professor Emeritus of Biology (1969), A.B., Ph.D. (Cornell University)

ELLIS, LESLIE L., Professor Emeritus of Biology (1988), B.S., M.S., Ph.D. (University of Wisconsin)

ENO, BURTON E., Professor Emeritus of Engineering (1979), B.S., M.S., Ph.D. (Cornell University), P.E. (Florida)

ESLER, WILLIAM K., Professor Emeritus of Education (1968), B.A.Ed., M.A.Ed., Ph.D. (Kent State University)

EVANS, THOMAS G., Professor Emeritus of Accounting (1990), B.S., M.B.A., Ph.D. (Michigan State University)

FEDLER, FREDERICK E., Professor Emeritus, Nicholson School of Communication (1971), B.S., M.A., Ph.D. (University of Minnesota)

FERRALL, LLOYD W., Professor Emeritus of Management (1983), B.S., M.S., D.B.A. (The George Washington University)

FLICK, ROBERT G., Professor Emeritus of Humanities (1986), B.S., M.A., Ph.D. (University of Florida)

FREDERICK, TERRY J., Professor Emeritus, Film and Digital Media, and Distinguished Service Professor of Computer Science (1975), B.S., M.S., Ph.D. (University of Wisconsin)

GENNARO, ROBERT N., Associate Director, Burnett School of Biomedical Sciences; Professor Emeritus of Molecular Biology and Microbiology (1970), Ph.D. (Texas A&M University)

GILSON, RICHARD, Professor Emeritus, Psychology (1985), B.S., M.S., Ph.D. (Princeton University)

GRIGG, HAROLD L., Professor Emeritus of Engineering Technology (1972), B.S., M.S. (Pennsylvania State University), P.E. (Florida)


HICKER, TERRY L., Provost and Executive Vice President Emeritus (2003), B.A., M.A., Ph.D. (University of Miami)

HOSLER, R. RAMON, Professor Emeritus of Engineering (1978), B.Ch. E., M.S., Ph.D. (University of Illinois), P.E. (Florida)

HOSNI, YASSER A., Associate Professor Emerita of Economics (1977), B.A., M.A., Ph.D. (University of Arkansas)

HOSNI, YASSE A., Professor Emeritus of Engineering (1978), B.S.M.E., M.S., Ph.D. (University of Arkansas), P.E. (Florida)
MALONE, LINDA C., Professor Emeritus of Engineering Science (1979), B.S., M.S., Ph.D. (Virginia Polytechnic Institute and State University)


MATHEWS, BRUCE E., Professor Emeritus of Engineering (1969), B.S.E., M.S.E., Ph.D. (University of Florida), P.E. (Florida)

MATTSON, GUY C., Professor Emeritus of Chemistry (1969), B.S., Ph.D. (University of Florida)

McBRAYER, JAMES D., Professor Emeritus of Engineering (1990), B.S.A.E., M.S., Dipl., D.Sc. (Washington University), P.E. (Florida, Missouri, Ohio)

MCGEE, WILLIAM W., Professor Emeritus of Forensic Science (1968), B.S., M.S., Ph.D. (University of Florida)

McLELLON, WALDRON, Professor Emeritus of Engineering (2008), B.S.E., B.C.E., M.C.E., M.S. (Physics), M.S., (Env. Engr.), Ph.D. (Rensselaer Polytechnic Institute)

MICARELLI, CHARLES N., Dean and Professor Emeritus of Foreign Languages and Literatures (1967), B.A., M.A., Ph.D. (Boston University)

MILLER, CALVIN C., Dean and Professor Emeritus of Education (1967), B.A., M.Ed., Ed.D. (Florida State University)

MILLER, ERNEST E., Professor Emeritus of Education (1968), B.S., M.S., Ed.D. (University of North Dakota)

MORGAN, BEN B., JR, Professor Emeritus of Psychology (1968), B.A., M.A., Ph.D. (University of Louisville)

MORSE, LUCY C., Associate Professor Emeritus of Engineering Technology (1953), A.B., M.S., Ph.D. (University of Central Florida)

MUKHERJEE, AMAR, Professor Emeritus, Electrical Engineering and Computer Science (1979), B.S., M.S., Ph.D. (University of California)

MULLIN, THOMAS A., Associate Professor Emeritus of Communication Sciences and Disorders (1972), B.A., M.S., Ph.D. (Syracuse University)

NICHOLSON, DAVID W., Professor Emeritus, Mechanical, Materials, and Aerospace Engineering (1990), B.S., M.S., M.Phil., Ph.D. (Yale University)

O'KEEFE, TIMOTHY, Professor Emeritus of Communication (1968), B.A., M.A., Ph.D. (University of North Carolina)

OMANS, STUART E., Professor Emeritus of English (1968), B.A., M.A., Ph.D. (Northwestern University)

OSBORNE, JOHN A., Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Kansas State University)

OSTLE, BERNARD, Professor Emeritus of Statistics (1967), B.A., M.A., Ph.D. (Iowa State University)


PANOUSIS, PETER, Dean Emeritus, College of Sciences (2000), B.S., Ph.D. (Iowa State University)

PAUL, GORDON W., Professor Emeritus of Marketing (1977), B.S., M.B.A., Ph.D. (Michigan State University)

PAULEY, BRUCE F., Professor Emeritus of History (1971), B.A., M.A., Ph.D. (University of Rochester)

PHILLIPS, RONALD L., Professor Emeritus of Engineering Science and Mathematics (1970), B.S.E., M.S.E., M.A., Ph.D. (Arizona State University)

PICKERING, ROY, Professor Emeritus, Music (1979), B.M.E., M.M. (Indiana University)

PRITCHARD, ROBERT D., Professor Emeritus of Psychology (2003), B.A., Ph.D. (University of California, Los Angeles)

PYRE, RANSFORD C., Associate Professor Emeritus of Legal Studies (1976), A.B., M.A., J.D., Ph.D. (University of Florida)


ROHTER, FRANK D., Professor Emeritus of Education (1968), B.S., M.Ed., Ph.D. (University of Southern California)

ROLLINS, JACK B., Professor Emeritus of Psychology (1969), B.S., M.S., Ph.D. (University of Georgia)

RUBIN, RONALD S., Professor Emeritus of Marketing (1972), B.A., M.A., Ph.D. (University of Massachusetts)

SALTER, JOHN H. III, Chairholder, Ernst & Young Professorship and Professor Emeritus of Accounting (1975), B.S., M.S., Ph.D. (Louisiana State University)


SCOTT JR., DAVID F., Professor Emeritus of Finance (1972), B.S., B.A., M.B.A., Ph.D. (University of Florida)

SHERWOOD, HOWARD, Professor Emeritus of Mathematics (1969), B.S., M.S., Ph.D. (University of Arizona)

SHOFNER, JERRELL H., Professor Emeritus of History (1972), B.S., M.S., Ph.D. (Florida State University)

SILFAVANT, WILLIAM, Professor Emeritus of Optics (1990), B.S., Ph.D. (University of Utah)

SMITH, FRANCES B., Associate Professor Emeritus of Nursing (1979), R.N., Ed.D. (Florida State University)

SMITH, HARRY W., JR, Professor Emeritus of Theatre (1969), B.A., M.A., Ph.D. (Tulane University)


SNELSON, FRANKLIN F., JR, Professor Emeritus of Biology (1970), B.S., Ph.D. (Cornell University)

SOMERVILLE, PABLO N., Professor Emeritus of Statistics (1972), B.Sc., Ph.D. (University of North Carolina)

SORG, STEVEN E., Associate Professor Emeritus of Education (1979), B.S., M.S., Ph.D. (Florida State University)

STEARMAN, ALLYN M., Professor Emerita of Anthropology (1976), B.A., M.A., Ph.D. (University of Florida)

STEIGEMAN, GEORGE A., Professor Emeritus of Optics and EECS (1990), B.S., M.S., Ph.D. (University of Toronto)

STOUT, I. JACK, Professor Emeritus of Biology (1972), B.S., M.S., Ph.D. (Washington State University)

SWEENEY, MICHAEL J., Professor Emeritus, Molecular Biology and Microbiology (1972), Ph.D. (Temple University School of Medicine)

SWEENY, RAVEN C., Associate Dean, College of Sciences, and Professor Emeritus of Biology (1971), B.S., Ph.D. (Sacramento University)

TAYLOR, JAMES S., Professor Emeritus of Engineering (1977), B.S., M.S., Ph.D. (University of Florida), P.E. (Florida)

TAYLOR, K. PHILLIP, Professor Emeritus of Communication (1970), B.A., M.A., Ph.D. (Indiana University)

TAYLOR, MICHAEL D., Professor Emeritus of Mathematics (1969), B.A., M.S., Ph.D. (Florida State University)

TAYLOR, WALTER K., Professor Emeritus of Biology (1969), B.S., M.S., Ph.D. (Arizona State University)


THOMAS, MARGARET H., Professor Emeritus of Psychology (1971), B.A., M.A., Ph.D. (Tulane University)
COURTESY APPOINTMENTS

ABDELRAHIM, MAEN A., Courtesy Associate Professor Biomolecular Science Center (2006), B.Sc. in Pharmacy, Ph.D. (Texas A&M University, College Station)

AGUIRRE, LILLIAN, Courtesy Instructor of Nursing (2009), B.S, MS (University of Central Florida)

ANAGNOSTOPOULOS, GEORGIOS, Courtesy Assistant Professor (2007), P.S.P., M.S. (University of Central Florida)

ANDREWS, LARRY C., Professor Emeritus of Mathematics (1973), B.S., M.S., Ph.D. (Michigan State University)

ARLEN, PHILIP A., Courtesy Assistant Professor (2008), Ph.D.

AWE, JAIME J., Courtesy Professor of Anthropology (2007), Ph.D. (University of London)

BAKER, PAUL, Courtesy Professor (2009), MA, PhD (George Mason University)

BALLANTYNE, JOHN, Associate Professor of Chemistry/Forensic Science (1998), Ph.D. (State University of New York at Stony Brook)

BARRERA-HERMAN, ANGELINE, Courtesy Visiting Professor (2010), B.S., M.B.A., M.S.W., Ph.D. (Masssey University)

BASU, SAPTARSHI, Courtesy Faculty (2010), Ph.D., M.S., B.E. (University of Connecticut)

BEACH, KEVIN, Assistant Research Professor of Biology (2001), B.S., Ph.D. (University of Hawaii at Manoa)

BELFIELD, KEVIN D., Secondary Joint Professor of Optics & Photonics, and Biomolecular Science Center: CREOL & FPCE (1998), Ph.D. (Syracuse University)

BELLO, DAVID, Courtesy Associate Professor Biomolecular Science Center (2006), M.D. (Central University of Venezuela)

BETTINGER, TAMARA, Assistant Professor of Biology (2003), Oklahoma State University

BIELITZKI, JOSEPH, Secondary Joint Professor Biomolecular Science Center (2006), D.V.M. (University of Illinois at Urbana-Champaign)

BILLINGS, JOSEPH B., Clinical Faculty, Athletic Training; Courtesy Assistant Professor of Orthopaedic Medicine/ 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)

BOWMAN, REED, Courtesy Faculty (2010), B.A., M.S., Ph.D. (University of South Florida)

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 Associate Professor of Biomolecular Science Center (2003), Ph.D. (University of Parma, Italy)

CAMDESSANECHE, JEAN-PHILIPPE, Courtesy Visiting Scientist - Biomolecular Science Center (2007), M.S., M.D. (Claude Bernard University, Lyon France), Advanced degree in neurosciences (Claude Bernard University, Lyon France)

CHAHALVI, ALI, Courtesy Associate Professor of Neurosurgery (2007)

CHANG, NI-BIN, Secondary Joint Professor of Industrial Engineering and Management Systems (2009), BS, MS, PhD (Cornell University)

CHEN, PHILLIP, Courtesy Assistant Professor of Molecular Biology and Microbiology (2002), M.D. (University of Alabama at Birmingham)

CHITICK, ELIZABETH, Assistant Research Professor of Biology (2002), Tufts University

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. (Sewanee University)

COFFEY, KEVIN, Secondary Joint Professor of Department of Electrical Engineering and Computer Science (2005), B.A., B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

COLUMBUS, GENE, Department of Theatre (2000)

DEATON, JOHN, Assistant Professor of Psychology (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. (2008), B.S., M.S., Ph.D. (Florida Institute of Technology)

DEMAKA, 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)

DEZHERMEE, 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)

DIVO, EDUARDO, Courtesy Faculty (2010), M.S., Ph.D. (University of Central Florida)

DOGARIU, ARISTIDE, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1995), Ph.D. (Hokkaido University)

DOLD, CHRISTOPHER, Courtesy Researcher (2010), B.S., D.V.M. (University of Wisconsin)

DOLSKIE, MICHELLE, Courtesy Clinical Assistant Professor of Psychology (2009), B.A., M.A., Ph.D. (University of Alabama at Birmingham)

DOUKAS, MICHAEL A., Courtesy Professor/Health Services Administration; Courtesy Professor of Internal Medicine (2006), 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)

DUCHARME, 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 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), M.A., Ph.D. (University of South Florida)

FRANKLIN, RAYMOND, Clinical Faculty, MLS, 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 (2007)

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)

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., Ph.D. (University of Virginia)
GESQUIERE, ANDREQU, Secondary Joint Assistant Professor of FSEC (2009), B.S., Ph.D. (Catholic University of Leuven)

GHAMARI-TABRIZI, SHARON, Courtesy Research Associate (2009), Ph.D. (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)

GOLDIEZ, BRIAN, Joint Assistant Professor of FSEC (American Board of Psychiatry and Neurology) (1994), B.A., Ph.D. (State University of New York at Buffalo)

GORHAM, JAYNE S., Assistant Director, Career Services and Placement (1999), B.S., M.A., Ph.D. (University of South Florida)

GOODWIN, KENNETH, Courtesy Assistant Director, Career Services and Experiential Learning (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, OLLE, Associate Professor of Physics (1989), B.S., Ph.D. (Case Western Reserve University)

HERBST, LAWRENCE, 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)

HICKMAN, MICHAEL H., Associate Professor of Physics (2003), Ph.D. (La Trobe University)

HICKMAN, JAMES, Secondary Joint Professor School of Electrical Engineering and Computer Science (2004), B.S., M.S., Ph.D. (Massachusetts Institute of Technology)

HICKMAN, JAMES, Secondary Joint Professor (2009), M.S., Ph.D. (Massachusetts Institute of Technology)

HIGBEE, RUSSELL, Courtesy Professor of Molecular Biology and Microbiology (2004), D.V.M. (Oklahoma State University)

HILL, DON-MICHAEL, Courtesy Adjunct Instructor (2010), B.M. (Curtis Institute of Music)

HOLLENBECK, DANIEL, Courtesy Professor of Communication (2003), B.S., M.S. (Florida State University)

HORNE, JONATHAN, Associate Professor of Biology (2009), B.A., M.S., Ph.D. (Texas Tech University)

HORN, GORDON, Courtesy Clinical Assistant Professor of Psychology (2009), B.S., M.A., Ph.D. (Saint Louis University)

HONG, DONGCHUL, Courtesy Associate Professor of Psychology (2007), B.S., M.B.A., Ph.D. (Southwestern University of Finance and Economics)

HUBSCH, TRISTAN, Courtesy Graduate Faculty Scholar (2009), B.S., Ph.D. (University of Maryland)

HUSSAIN, SABER, Courtesy Professor (2010), Ph.D. (Osmania University)

JARVIS, JOHN, Courtesy Research Associate Professor of Sociology (2006), B.A., B.S., M.A., Ph.D. (University of Virginia)

JEDLICA MORRIS, LORI, Courtesy Research Associate Professor of Biology (2004), M.A. (College of William and Mary)

JOHNSON, NANCY M., Courtesy Clinical Nurse Specialist (2006), B.S., M.S.N. (University of Evansville, Indiana)

KAJURIN, 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 (2008), B.S. (California State University)

KAPOOR, VIKRAM, Courtesy Professor of Electrical and Computer Science (2010), B.A., M.A., Ph.D. (Johns Hopkins University)

KART, JASON, Courtesy Professor, Public Administration and Public Affairs, Joint Appointment (2010), B.A., M.A., Ph.D. (University of California, Berkeley)

KATZ, JON, Courtesy Professor of Psychology (2008), B.A., M.A., Ph.D. (University of Southern California)

KEMP, JASON, Courtesy Professor of Psychology (2009), B.A., M.A., Ph.D. (University of California, Los Angeles)

KELLER, JAMES, Courtesy Professor of Psychology (2008), B.A., M.A., Ph.D. (University of Southern California)

KELLY, JAYNE, Courtesy Assistant Professor of Psychology (2009), B.A., M.A., Ph.D. (University of Florida)

KIM, JONG, Courtesy Research Scientist (2009), B.S., M.S., Ph.D. (Pennsylvania State University)

KINCAD, J. PETER, Professor of Psychology and Senior Research Scientist, Modeling and Simulation and Secondary Joint Professor of Medical Education (2006), B.A., M.A., Ph.D. (Ohio State University)

KRUPP, LINDA, Courtesy Adjunct Instructor, Educational Studies (2009), B.S., M.A., Ph.D. (University of Florida)

KUCHMA, MELISSA, Courtesy Visiting Scientist (2006), B.S. (Massachusetts Institute of Technology)

KYLE, TIFFANY LINKOVICH, Courtesy Research Assistant Professor of Psychology (2007), B.A., M.S., Ph.D. (University of Central Florida)

LEE, HAEJONG, Courtesy Research Associate in Public Affairs (2005), Ph.D. (Yonsei University, Seoul, Korea)

LEHMAN, JEFFREY, Clinical Professor in Communication Sciences and Disorders; Courtesy Assistant Professor of Otolaryngology (2003), (University of Wisconsin)

LELI, DAN, Courtesy Clinical Assistant Professor of Psychology (2009), B.A., Ph.D. (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, GUOFANG, Secondary Joint Associate Professor Department of Electrical Engineering and Computer Science (1997), Ph.D. (University of Wisconsin-Madison)

LIEBERMAN, R. JANE, Chair, Professor of Communication Sciences and Disorders (2000), B.S., M.S., Ph.D. (University of Florida)

LIM, JINHYUK, Secondary Joint Associate Professor Department of Mechanical Engineering and Computer Science (1993), Ph.D. (University of Sheffield)

LILJE, JOYCE R., Associate Professor of Political Science (1985), B.A., M.A., Ph.D. (Johns Hopkins University)

LOGALBO, ANTHONY, Courtesy Clinical Assistant Professor of Psychology (2009), B.A., M.A., Ph.D. (University of Alabama at Birmingham)

LOUGHNER, BARRY A., Clinical Faculty, Health Services Administration; Courtesy Associate Professor of Medical Education D.D.S., M.S., Ph.D. (University of Florida)

LUPO, JOVANNI, Thesis Committee Courtesy Professor (2010), B.A. (University of Palermo)

MACKAYE, SHIRAM, Courtesy Assistant Professor - Public Affairs (2007)

MARTIN, LAWRENCE, Professor, Public Administration and Public Affairs, Joint Appointment (2009), B.S., M.S., Ph.D. (University of Arizona)

MARTIN, SCOTT, Courtesy Faculty (2010), B.S., M.S., Ph.D. (University of Washington)

MASRI, ADDAM, Nursing Thesis Committee Courtesy Professor (2010), M.D. (University of Florida)

MASUNOV, ARTEM, Secondary Joint Assistant Professor of FSEC and Physics (2009), B.S., Ph.D. (The City University of New York)

MAYER, DAVID, Secondary Joint Appointment, Assistant Professor of Psychology (2005)

McNEES, PATRICK, Courtesy Faculty Associate, School of Nursing (2002), University of Florida

McPherson, Brenda, Courtesy Associate, Educational Studies (2003)

MEDIEN, A. LOUIS, Professor of Engineering Ph.D. (Ohio State University)

MEKS, SANFORD, Courtesy Graduate Faculty Scholar (2009), B.S., M.S. Ph.D. (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)

MIHAI, FLORIN, Secondary Joint Assistant Professor (2009), M.S., Ph.D. (The Florida State University)

MILLS, HARRY, Courtesy Clinical Assistant Professor of Psychology (2009), Ph.D. (University of Southern Mississippi)

MILLS, LARRY, Nursing Thesis Committee Courtesy Professor (2010), B.S. (Bethany Theological Seminary)

MUNDY, CAROL, Courtesy Culture Keeper Professor (2009)

NADEAU, JEANETTE A., Secondary Joint Assistant Professor of Biomolecular Science Center (2003), Ph.D. (University of California, Davis)

NADLER, JODI, Courtesy Clinical Assistant Professor of Psychology (2009), B.A. (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 Psychology (1994), B.S., M.A., Ph.D. (University of California, Los Angeles)

OGDEN, JACQUELINE J., Assistant Research Professor of Biology (1999), B.A., M.S., Ph.D. (George Washington University)

ONEAL, THOMAS, Secondary Joint Assistant Professor (2005), B.S., M.S., 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)

PARKINSON, RANDALL, Courtesy Assistant Research Professor of Biology (2010), B.S., M.S., Ph.D. (University of Iowa)

PAULISAPU, 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, Courtesy Visiting Scholar (2010), Ph.D. (Arizona State University)
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)
PROVENCER, DAVID, Courtesy Faculty Research Associate (2009), BSE (University of Central Florida)
PURMENSKY, KERRY, Secondary Joint Associate Professor (2009), M.S., Ph.D. (Southern Illinois University)
RAMSEY, CAROLYN, Nursing Thesis Committee (2010), Ph.D. (Hampton University)
REBURN, CATHERINE JEAN, Assistant Research Professor of Biology (2002), B.S., M.S., 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, Secondary Joint Professor School of Electrical Engineering and Computer Science (1990), B.Sc., A.R.C.S., Ph.D. (University of London)
RIVERS, ROSE, Nursing Thesis Committee (2010), Ph.D. (University of Florida)
Ronen, Adi, Visiting Researcher (2010), Ph.D. (University of Nebraska)
SALISBURY, BRIAN, Courtesy Adjunct Faculty - Art (2008)
SCHNEIDER, KIMBERLY, Research Assistant Professor (2009), B.S., Ph.D. (University of South Carolina)
SCHULTLE, 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)
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., Ph.D. (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)

BEARY, RICHARD, Director, University Police (2007), B.A., M.S. (University of Central Florida)

BERRY, ANDREA, Director, Faculty Development, College of Medicine (2009), M.P.A.

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)

BOHLEN, PATRICK, Director, Landscape & Natural Resources (2010), B.S., M.S., Ph.D. (Ohio State University)

BORDEN, M. PAIGE, Assistant Vice President, Institutional Knowledge Management, and University Data Administrator (1996), B.A., M.B.A., Ed.D. (University of Central Florida)

BOSTON, BELINDA, Director, Fraternity and Sorority Life (2004), B.S., M.S. (Western Illinois University)

BOYD, BRIAN, University Registrar (2009)

BRADFORD, DEBORAH, Director, Enrollment Services, UCF Regional Campuses (2010)

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)

BULGER, SANDRA, Director of Undergraduate Services (1989), B.A., M.A. (University of Central Florida)

CHANDIA, NATALY, Director, International Services Center (2003), B.A., M.P.A. (University of Central Florida)

CHASE, DIANE Z., Executive Vice Provost for 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 (2007), B.B.A., J.D. (University of Cincinnati)

COLE, W. SCOTT, Vice President & General Counsel (2002), B.S.J., J.D. (University of Florida)

DeBARRY, BARRY, Director, Facilities Planning (2010), B.D., M.BCN (University of Florida)

DONEGAN, HELEN, Vice President for Community Relations (1995), B.A. (San Jose State University)

DORMAN, TERESA, Assistant Dean, College of Sciences (1996), B.S., M.A., E.Ed. (UCF)

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)

DZIUBAN, CHARLES D., Director, Research Initiative for Teaching Effectiveness, and Professor Emeritus of Instructional Systems Technology (1970), B.S., M.Ed., Ph.D. (University of Wisconsin)

EHAZ, MARIBETH, Vice President for Student Development and Enrollment Services (1994), B.S., M.A., Ph.D. (University of Toledo)

EKERN, 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 (2006), B.A., M.A., Ph.D. (The Florida State University)

FORTIER, VANESSA, Associate Vice President, Finance (1998), B.S.B.A., M.B.A. (University of Central Florida)

GARDNER, DAN, Director, Assessment, College of Medicine (2008), Ed.D. (Florida Atlantic University)

GERBERT, MATTHEW, Director, Knowledge Management, College of Medicine (2008), Ph.D. (University of Central Florida)

GERMAN, DEBORAH C., Vice President for Medical Affairs and Dean, College of Medicine (2006), B.S., M.D. (Harvard Medical School)

GLASPIE, 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 (1998), B.S. (Bentley College)

HANSEN, LYNN, Executive Director, Career Services (2010), A.A., B.S., M.Ed. (University of West Florida)

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., M.Ed. (University of Miami)

HELM, TERRENCE K., Associate Vice President, University Marketing (2005), B.S., M.B.A. (Rollins College)

HENRY, KIRK, Director I.T. Services, UCF Regional Campuses (2010)

HESTON, GRANT J., Assistant Vice President, News and Information and UCF Television (2007), B.S. (University of Florida)

HILL, HELEN, Director of Advising, UCF Regional Campuses (2010)

HITT, JOHN C., President of the University, Professor of Psychology (1992), B.A., M.S., Ph.D. (Tulane University)

HOLMES, STEPHEN, Interim Assistant Vice President, Academic Initiatives - UCF Regional Campuses (1997), B.S., M.A., Ph.D. (University of Cincinnati)

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 (1985), B.S., M.E.D., Ph.D. (Florida State University)

HOPE, THOMAS L., Creative Director, University Marketing (2005), M.F.A., M.B.A. (University of Central Florida)

HOWSE, MARK, Coordinator of Accreditation and Program Approval (2010), B.S., M.S., 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, JOHN, Director Environmental Health & Safety (2002), B.S. (Auburn University)

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)

JEFFERSON, ALLISON, Executive Director of Administration (1999), B.S., M.S. (Northwestern University)

JONES, TRACY R., Assistant Dean, Graduate Admissions, Student Services, and recruiting, College of Graduate Studies (1995), B.A., M.A. (University of Central Florida)

JUNTUNEN, DANA, Director, Office of Student Conduct (2003), B.A., M.Ed. (James Madison University)

KERNEK, LEE, Associate Vice President, Facilities and Safety (2007), B.M., M.P.A. (Harvard University)


KITTINGER JR., FRED R., Associate Vice President, University Relations (2003), B.A., M.S. (Florida State University)

LANEY, PATRICE, Director, Operational Excellence and Assessment Support (2001), B.A., M.A., Ph.D. (Wayne State University)

LANEY, DAVID, Associate Vice President, Business Affairs and Operations, UCF Regional Campuses (2008)

LARKIN, ROBERT, Director, Admissions, College of Medicine (2007), B.A. (University of South Florida)

LARTONOIX, PAUL F., Assistant Dean of Research and Academic Issues (2007), B.A., M.F.A. (Lindenwood University)

LAUREANO, GLORIA, Assistant Vice President, Student Development and Enrollment Services (1996), B.A., M.A., Ed.D. (University of Central Florida)
LEINSING, DONNA, Executive Director/UCF Academy (1993), B.A.Ed., M.Ed. (University of Central Florida)
LYONS-OTEN, TERESA, Registrar, College of Medicine (2007), B.S. (Tennessee State University)
MacKOWN, PATRICIA A., Assistant Vice President, Student Development and Enrollment Services (1979), B.A., M.A. (University of Central Florida)
MADSEN, RUTHANNE, Director, Financial Services, College of Medicine (2007), M.B.A., Ed.D. (Nova Southeastern University)
MALARET, STACEY, Director, Student Leadership Development (2001), B.A., M.A., Ed.D. (University of Central Florida)
MARRETT, CAROLINE, Director, Toni Jennings Exceptional Education Institute (2007), B.S., M.A., Ph.D. (University of Central Florida)
MASON, GREGORY S., Associate Vice Provost, Jennings Exceptional Education Institute (2006), B.S., M.A., Ph.D. (University of Central Florida)
MCCLOUD, REBEKAH, Associate Director, Undergraduate Catalog (2006), M.P.A. (Rollins College)
OML, STEVE, Director, Finance and Accounting, College of Medicine (2001), M.B.A. (University of North Carolina)
ORO, GLENN, Assistant Vice President, Community Relations (1999), B.A. (University of Central Florida)
PAVLONNIS, DAVID L., Assistant Vice President and Director, SDES-Office of Budget & Personnel (1996), B.S., M.S. (University of Tennessee)
PAYNE, RICHARD S., Assistant Vice President, SIOMA Operations (2002), B.S., M.B.A. (University of Central Florida)
PEARSON, STACEY M., Director, Counseling Center (2008), B.A., M.A., Ph.D. (Pennsylvania State University)
PELLER, 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 (2002), B.A., M.Ed., M.S. (University of Louisville)
PETERSON, ANGELA, Associate Vice President, Regional Campuses, Enrollment Services, and Marketing and Outreach (2005), B.S., M.S. Ed. (Pittsburgh State University)
PETKOV, ANA, Director, Constituent Relations (2008)
PIETY, REBECCA, Director, University Testing Services (1998), B.A., M.A. (University of Central Florida)
PITTMAN, JOHN, Director, Financial Services (2000), B.S., M.S. (University of Central Florida)
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)
PRESTON, MICHAEL, Director, Office of Student Involvement (2011), B.A., M.S. (Southern Illinois University - Carbondale)
PRIEST, DeLAINE, Associate Vice President, Student Development and Enrollment Services (1994), B.A., M.A. (University of Alabama-Birmingham)
PUSKAS, RAYMOND, Director, Purchasing (1988), B.A. (University of Connecticut)
RANG, A. J., Assistant Vice President, Regional Campus Student Services (1994), B.S., M.Ed. (Florida A&M University)
REA, PAMELA, Director, Student Disability Services (2001), B.A., M.Ed. (National-Louis University)
REDDICK, ALZO J., Director, Special Programs and Defense Transition Services (1990), B.S., M.E., Ed.D. (University of Kentucky)
REED, HAL C., Assistant Vice President for Planned Giving (2000), B.A., J.D. (University of Kansas)
RITCHIE, JOE, Executive Director, First Year Experience (2000), B.A., M.A. (Indiana University of Pennsylvania)
RIVERS, CECILIA 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., Chief Human Resources Officer (1986), B.A., M.A. (Central Michigan University)
SAYWER, CURTIS, Director, Business Services and Knights Plaza (2006)
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, University Research (2007), B.S., Ph.D. (University of South Carolina)
SCHONS, EDWARD L., Director, University Economic Development, University Relations (2000), B.S. (Florida Southern College)
SCHUCKMAN, GREGORY A., Assistant Vice President, Director, Federal Relations, University Relations (2000), B.S., M.G.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 of College of Engineering and Computer Science (2008), Ph.D. (University of Illinois at Urbana-Champaign), P.E
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 and Associate Professor of Political Science (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)
WALDROP, TONY, Provost and Vice President (2010), B.A., M.A., Ph.D. (University of North Carolina, Chapel)
WALTON, ROXANNE, Director, Human Resources (2002), B.S. (Stetson University)
WATSON, JIMMY L., Assistant Vice President, Off Campus Student Services (1980), B.A., M.Ed., Ph.D. (Columbia Commonwealth University)
WEDMAN, DIANA, Director, Student Services, Eastern Region (1984), B.S., M.A., Ed.D. (University of Central Florida)
WELCH, KERRY, Assistant Vice President, Student Development and Enrollment Services (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)
WITHINGTON, ANDREA, Director of Graduate Services (2000), B.S., M.A. (George Washington University)
WRIGHT, JENNIFER, Director, Dispute Resolution Services (2001), A.A.S., B.S.B.A, M.A. (Appalachian State 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)
ZUGELDER, BRYAN, Director of Clinical Experiences (2005), B.S., M.S., M.A., Ed.D. (Nova Southeastern University)
<table>
<thead>
<tr>
<th>Date</th>
<th>Name and Title of Degree</th>
<th>College/Field of Study</th>
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</thead>
<tbody>
<tr>
<td>June 1970</td>
<td>William H. Dial, Doctor of Commercial Science</td>
<td>University of Central Florida</td>
</tr>
<tr>
<td>March 1973</td>
<td>John W. Young, Doctor of Applied Sciences</td>
<td>University of Central Florida</td>
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<tr>
<td>August 1974</td>
<td>Louis C. Murray, Doctor of Public Service</td>
<td>University of Central Florida</td>
</tr>
<tr>
<td>August 1978</td>
<td>Fred C. Clayton, Doctor of Professional Engineering</td>
<td>University of Central Florida</td>
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<tr>
<td>June 1979</td>
<td>Richard F. Livingston, Doctor of Business Administration</td>
<td>University of Central Florida</td>
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<tr>
<td>June 1979</td>
<td>Albert F. Hegenberger, Doctor of Engineering Science</td>
<td>University of Central Florida</td>
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<tr>
<td>December 1979</td>
<td>Lee R. Scherer, Doctor of Engineering Science</td>
<td>University of Central Florida</td>
</tr>
<tr>
<td>June 1980</td>
<td>Joseph Daniel Duffey, Doctor of Humane Letters</td>
<td>University of Central Florida</td>
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<tr>
<td>December 1981</td>
<td>Thelma Vivian Jackson Dudley, Doctor of Humanities</td>
<td>University of Central Florida</td>
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<tr>
<td>April 1982</td>
<td>Howard Phillips, Doctor of Public Service</td>
<td>University of Central Florida</td>
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<tr>
<td>July 1982</td>
<td>Gene Bums, Master of Letters</td>
<td>University of Central Florida</td>
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<tr>
<td>December 1982</td>
<td>Robert J. Whalen, Doctor of Engineering Science</td>
<td>University of Central Florida</td>
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<tr>
<td>July 1983</td>
<td>Andrew Duda, Jr., Doctor of Agricultural Service</td>
<td>University of Central Florida</td>
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<tr>
<td>December 1984</td>
<td>Ferdinand Duda, Doctor of Agricultural Service</td>
<td>University of Central Florida</td>
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<tr>
<td>May 1992</td>
<td>John Duda, Doctor of Agricultural Service</td>
<td>University of Central Florida</td>
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<td>May 1992</td>
<td>William E. Davis, Doctor of Public Service</td>
<td>University of Central Florida</td>
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<tr>
<td>May 1992</td>
<td>Joseph A. Boyd, Doctor of Engineering Science</td>
<td>University of Central Florida</td>
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<tr>
<td>July 1992</td>
<td>J. W. Hubler, Doctor of Engineering Science</td>
<td>University of Central Florida</td>
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<tr>
<td>December 1992</td>
<td>Charles Wadsworth, Doctor of Public Service</td>
<td>University of Central Florida</td>
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<tr>
<td>May 1993</td>
<td>Allan E. Gotlieb, Doctor of Laws</td>
<td>University of Central Florida</td>
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<tr>
<td>December 1993</td>
<td>George J. Becker, Jr., Doctor of Public Service</td>
<td>University of Central Florida</td>
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<tr>
<td>May 1994</td>
<td>Jerry Collins, Doctor of Public Service</td>
<td>University of Central Florida</td>
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<tr>
<td>May 1995</td>
<td>D. Robert Graham, Doctor of Public Service</td>
<td>University of Central Florida</td>
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<tr>
<td>March 1996</td>
<td>Walter O. Lowrie, Doctor of Engineering Science</td>
<td>University of Central Florida</td>
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<tr>
<td>December 1996</td>
<td>William C. Schwartz, Doctor of Engineering Science</td>
<td>University of Central Florida</td>
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<tr>
<td>March 1996</td>
<td>Isaac Bashevis Singer, Doctor of Letters</td>
<td>University of Central Florida</td>
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<tr>
<td>October 1998</td>
<td>Elie Wiesel, Doctor of Letters</td>
<td>University of Central Florida</td>
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<tr>
<td>December 1998</td>
<td>Sven Caspersen, Doctor of Engineering Science</td>
<td>University of Central Florida</td>
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<tr>
<td>May 1999</td>
<td>John D. Holloway, Doctor of Public Service</td>
<td>University of Central Florida</td>
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<td>May 2000</td>
<td>Wolfgang-Detlef Petri, Doctor of Commercial Science</td>
<td>University of Central Florida</td>
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<td>May 2000</td>
<td>Frank M. Hubbard, Doctor of Public Service</td>
<td>University of Central Florida</td>
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<td>May 2000</td>
<td>David Albertson, Doctor of Humane Letters</td>
<td>University of Central Florida</td>
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<td>May 2000</td>
<td>William S. Jenkins, Doctor of Humane Letters</td>
<td>University of Central Florida</td>
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<td>May 2000</td>
<td>James C. Robinson, Doctor of Public Service</td>
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<td>May 2000</td>
<td>Charles N. Millican, Doctor of Laws</td>
<td>University of Central Florida</td>
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<td>May 2000</td>
<td>Helen Harris Perlman, Doctor of Humane Letters</td>
<td>University of Central Florida</td>
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<td>May 2000</td>
<td>Thaddeus Seymour, Doctor of Letters</td>
<td>University of Central Florida</td>
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<tr>
<td>May 2001</td>
<td>Roald Hoffman, Doctor of Science</td>
<td>University of Central Florida</td>
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A.A.: associate in arts degree. A degree designed for transfer to an upper division college or university. A Florida A.A. degree satisfies General Education (GEP) at all Florida SUS Schools.

Accreditation: certification that the college/school or program has met established standards and is nationally recognized by appropriate accrediting agencies.

ACT: American College Testing program is used for undergraduate admission purposes.

Add: online procedure used to alter class schedules after registration. During this time, students can adjust their schedules through myUCF (https://my.ucf.edu) by adding courses. Students should check the appropriate term’s Web Enrollment Guide for details.

A.S.: associate in science degree. A broad-based degree designed to prepare students to enter a wide variety of careers.

ASSA: Academic Services for Student Athletes.

Audit (course): to attend classes without receiving academic credit.

Audit (Degree): computerized summary of progress toward completion of degree requirements to be used with academic advising and registration. Available from myUCF at https://my.ucf.edu. (See also “Degree Audit”)

BA: Business Administration. This abbreviation appears in the listing of courses and refers to the College of Business Administration (CBA). Also see Bachelors Degree.

Baccalaureate or Bachelors Degree: completion of all University and major graduation requirements as certified by the University (B.A. is the Bachelor of Arts degree and B.S. is the Bachelor of Science degree).

BHC: Burnett Honors College

Breaking Catalog: loss of eligibility to follow graduation requirements in a specific catalog.

BSBS: Burnett School of Biomedical Sciences.

CAH: College of Arts and Humanities.

Catalog: resource for UCF academic policies and procedures, college/school and degree requirements, course descriptions and faculty listings. It is published annually and its contents are subject to change. Available online at http://www.catalog.sdes.ucf.edu.

Catalog Year: the edition of the University catalog that governs course prerequisites, co-requisites and graduation requirements for a particular academic year.

CBA: College of Business Administration.

CECS: College of Engineering and Computer Science.

CED: College of Education.

Certificate: special program of study supplemental to a major.

Ct: consent of instructor.

Class Schedule Search: a component of the online myUCF system (https://my.ucf.edu) that lists courses and class sections offered each academic term.

CLAS: College Level Academic Skills: CLAS is a required statewide measurement of selected communication and mathematics skills.

CLAS Alternative: refers to another way of satisfying one or more subsets of the CLAS requirement through combination test scores (SAT or ACT) and specific course grades.

COHPA: College of Health and Public Affairs.

College: collection of related academic departments. There are twelve colleges at UCF: Burnett Honors College (BHC), Arts and Humanities (CAH), Business Administration (CBA), Education (CED), Engineering and Computer Science (CECS), Graduate Studies, Health and Public Affairs (COHPA), Medicine (COM), Nursing, Optics and Photonics (CREOL), Sciences (COS), and Rosen College of Hospitality Management (RCHM).

COM: College of Medicine.

Common Course Numbering: the statewide course numbering system (SCNS) uses a course designation that consists of a 3-letter prefix and a 4-digit number and when necessary a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Common Program Prerequisite: the State of Florida has identified Common Program Prerequisites for all University programs. These prerequisites must be completed by all students entering that field of study, must be accepted by all state universities and must be applied towards the degree.

Contact hours: number of hours students meet in class.

Continuous Enrollment: enrollment not interrupted by non-attendance for either consecutive Fall and Spring terms, or consecutive Spring, Summer term, and Fall.

COS: College of Sciences.

CR: co-requisite is an additional course in which you must enroll during the same term as the primary course you desire to take.

Credit Hour or Semester Hour: every course taught is designated a total number of credit hours. The number of credit hours for a class reflects approximately the total hours a student spends per week in class. Most lecture courses are three credit hours and meet three hours each week. Students should expect to spend at least two hours of study time outside of class for every hour spent in class. One semester hour equals 1.5 quarter hour.

Degree Audit: a computerized degree audit lists courses completed toward major and degree requirements.

Diploma: official certificate displaying earned degree, major and baccalaureate honors.

Directory Information: information about 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 semesters and must be accepted by all state universities and must be applied towards the degree.

Double Major: awarded when the student concurrently satisfies requirements for two majors.

Drop/Swap: a student may drop or swap a course(s) during the official Drop/Swap period. A dropped course will not appear on the student’s permanent record. Students are not fee liable for dropped courses.

Elective: any course not required as part of the General Education Program or as part of your major/minor.

E-mail: primary official means of communication with students regarding University business and information.

Enrollment: the act of registering in classes. This may be done through myUCF at https://my.ucf.edu, kiosk and in limited circumstances at the colleges’ advising offices.

Enrollment Certification: an official University document that provides a student’s enrollment history including status, dates enrolled, and degrees awarded, available online at https://my.ucf.edu in Student Self Service.

Equipment Fee: a charge associated with some majors to cover the use and replacement of equipment.

Excluded: a student readmitted following disqualification who fails to achieve a minimum 2.0 GPA is excluded from the University. Students are not eligible for readmission after exclusion. See “Readmission” for details.

Fee Invoice: a printout of courses for which the student has registered that lists each specific course, its meeting time(s) and day(s). The amount of tuition and fees due for all courses registered and the payment deadline date also is indicated. Available online at https://my.ucf.edu in Student Self Service.

Freshman and Sophomore Courses: lower level courses with common course numbers ranging from 1000-2999 (e.g., ENC 1101, English Composition I). Generally, freshmen should enroll in 1000 and 2000 level courses.

FTIC: abbreviation for “First Time In College,” referring to those students who currently are in their first term as a UCF college student after high school.

Full-Time Course Load: for undergraduates, a minimum of 12 credits in the fall and spring and summer terms.

FYAE: First Year Advising and Exploration.

GEP: General Education Program: Specific courses required for all UCF degree programs providing skills and knowledge in general subject areas essential to continued learning and success, not only in college but throughout the student’s life.

Gordon Rule: requires students to complete four composition courses (12 semester hours) and two courses (six semester hours) of mathematics at the level of college algebra or higher. Each course must be completed with a grade of “C” (1.75) or better.

GPA: “Grade Point Average”: the average number of grade points per semester hour attempted. GPA is computed by dividing the total number of grade points assigned by the total number of semester hours attempted, less hours resulting from NC, W, WP, and IP grades.
Grade Forgiveness: refers to when a course taken at UCF is repeated, and for grade point average purposes, the grade earned in the first attempt is replaced by the grade earned in the second attempt at UCF (may be used only twice in the student’s academic career).

Grade Point Deficiency: for readmission purposes only, this term is defined as the number of UCF credit hours earned with a “B” (3.0 GPA) grade that a student requires to raise his or her UCF cumulative grade point average to 2.0. A student’s grade point deficiency is calculated when the student applies for readmission.

Health Form: documentation of immunity for measles and rubella, as well as consent for treatment at the University Health Center (must be completed and returned to Student Health Services prior to the first registration).

Hold: also called a "negative service indicator", this is a block on activity for transcripts, grades, diploma, or registration because of financial or other obligations to UCF.

Incomplete: grade assigned by the instructor when a student is unable to complete a course due to extenuating circumstances. Must be completed in 12 months or by graduation, whichever comes first.

Junior and Senior Courses: upper level courses with common course numbers ranging from 3000-4999 (e.g., ENG 3311, Advanced Expository Writing).

Kiosk: stand-alone PCs located in UCF public areas providing access to student records and general information.

Limited Access: certain academic programs designated as "limited access" only guarantee admission to a limited number of applicants.

Lower Level Courses: courses with a number of 1000-2999 (not less than 1000).

Major: group of related courses that constitute a focused program of study in a specific area of knowledge.

MASS: Multicultural Academic and Support Services

Material and Supply Fee: a charge associated with some courses to cover items consumed within the class.

MEP: Major Exploration Program to assist students are undecided about a major.

Minor: a complement to a bachelor’s degree program/ major requiring at least 18 credit hours in a field.

myUCF: the UCF/student information portal online at https://my.ucf.edu. myUCF is a powerful, security-encrypted, PID (Personal IDentification Number) and Password-access information system that will facilitate a variety of transactions in which students will engage at UCF. In myUCF, students may obtain a list of current holds, change the Password, sign up for a Knights E-Mail account, telephone number, and permanent/mailing addresses; search for courses each term; register, drop/swap and add courses each term; withdraw from courses following the close of Late Registration and Drop/Swap, print the “Degree Audit,” obtain the registration appointment day and time for each term, print a “Fee Invoice,” pay fees by credit card, gain access to financial aid and accounts receivable information; obtain the term final grades, and a list of current courses.

NID: Network Identification Number that students use to log in to web courses and UCF computer labs.

Nursing: College of Nursing.

Overall GPA: cumulative GPA of UCF and transfer course work.

Password: a series of four to eight characters and numbers chosen by the student that is associated with the PID (Personal IDentification Number). Each time you use the PID to enter myUCF, you also will enter your Password.

Pending Status: category assigned to students who desire to enter limited or restricted access programs. Typically, students are required to complete the GEP and 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, academic advising, and various other programs and services to students.

SAT: Scholastic Assessment Test is an assessment used for University admission purposes.

Satisfactory Academic Progress: a general eligibility requirement for financial assistance. (see “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 Session.”

Term GPA: grade point average (GPA) on work attempted during any given term.

Third Attempt Charge: see “Repeat Surcharge.”

Track: one of two or more significant variations in a degree program or major. Approximately 50% of the courses in one track differ from the courses required in other tracks.

Transcript: official academic record mailed from the Registrar’s Office.

TSD: 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 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.

VARC: Veterans Academic Resource Center providing GI Bill educational benefit certification and academic support programs, including supplemental instruction, tutoring, academic advising, career advising, student disabilities services, counseling services, and various other programs and services for student veterans.

Web Enrollment Guide: online at http://registrar.ucf.edu/weg/. 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 departure from one or more courses during the first half of the term or session through myUCF (https://my.ucf.edu) or at the Registrar’s Office. Students are still responsible for tuition and fees for withdrawn courses.
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